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Ontario

Ministry of
Northern Development
and Mines

Sean Conway Minister of Mines

ONTARIO GEOLOGICAL SURVEY

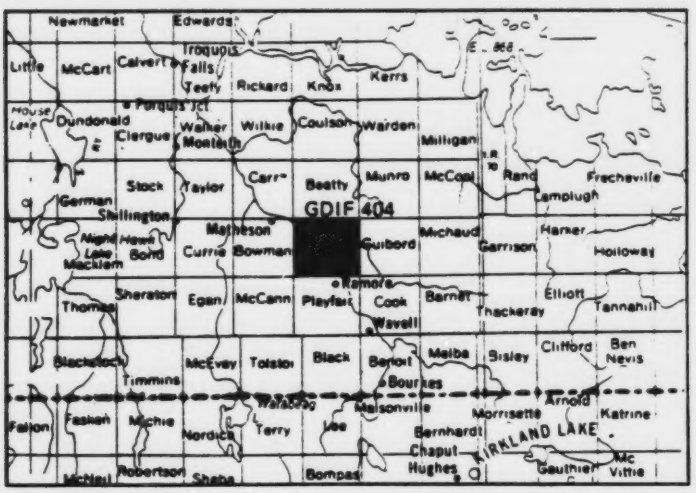
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 404

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

88-03604/

NTS Number 42A/08, 42A/09

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) which was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:
Ontario Geological Survey
1988: Hislop Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 404, compiled by the staff of the Resident Geologist's Office, Kirkland Lake, 10lp, and 3 maps.

Original Compilation by: Mike Woods, Uttam Kalicharran and P. Savarie
July 8, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

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DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	U.K.
2	Assessment Files Research Office, Toronto	NO	U.K.
3	ODM General Index; 9 volumes	YES	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	-	-
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	U.K.
6	ODM Industrial Mineral Reports	NO	U.K.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	M.W.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	M.W.
9	Newspaper Clippings File	NO	D.M.
10	GSC Index to Publications	YES	U.K.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	U.K.
12	OGS Index Maps	YES	M.W.
13	Source Mineral Deposit Records (O.G.S.)	YES	M.W.
14	Author - Subject Articles File	YES	U.K.
15	Miscellaneous Papers: ODM & OGS	YES	U.K.
16	ODM Geological Circulars: OGS Study Series	NO	M.W.
17	ODM Preliminary Reports: ODM Bulletins	YES	U.K.
18	ODM – OGS Open File Reports	YES	M.W.
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	M.W.
20	OGS Aggregate Resources Inventory Papers	NO	M.W.
21	OGS Mineral Potential Maps	YES	M.W.

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0 028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf . . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd. . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A_1	Abuy Gold Mines Ltd. "McBride Group"	Au	-	Resident Geologist Assessment Files Kirkland Lake	DDH #1 0.03oz/T Au over .8 ft.
A_1		Au		ODM 1957,AR vol.65 pt.5,p.34-35	DDH #3 0.48oz/T Au over 3 ft.
A_2		Au		OGS 1971,MRC 13 p.131	DDH #4 0.2oz/T Au over 1 ft.
A_2		Au		NMI 42A/08 Au 8	DDH #5 0.15oz/T Au over 5 ft.
A_1		Au		" "	DDH #6 0.19oz/T Au over 5 ft.
A_3		Au		" "	DDH #7 0.19oz/T Au over 3 ft.
A_3		Au		" "	DDH #8 0.02oz/T Au over 2 ft.
A_1		Au		" "	DDH #9 0.01oz/T Au over 5.5 ft.
A_1		Au		" "	DDH #11 0.12oz/T Au over 5.5 ft.
A_4		Au		" "	DDH #16 0.25oz/T Au over 2.5 ft.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A_5	Abuy Gold Mines Ltd. "McBride Group"	Au	-	Resident Geologist Assessment Files Kirkland Lake ODM 1957,AR vol.65 pt.5,p.34-35 OGS 1971,MRC 13 p.131	DDH #17 0.06oz/T Au over 5 ft. "Quartz-carbonate veins are present in carbonatized mafic volcanics cut by porphyry dikes. Mineralization consists of pyrite, chalcopyrite and gold. Sampling and drilling in 1939 and 1945 by Abuy Gold Mines Ltd. formerly called McBride Claims."
B	Anson-Cartwright Occurrence	Au		OGS 1971,MRC 13 p.131 ODM 1957, AR v.65 pt.5, p.36	"During 1947 and 1948 a magnetic survey was made and 3 holes with a total length of 1,672 feet drilled by Anson-Cartwright Mines Ltd."
C	Birch, W.T.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #3A 0.02oz/T Au over 5 ft.
		Au		" "	Trench #4 1.5oz/T Au over 2 ft.
		Au		" "	Trench #5 0.01oz/T Au over 4.5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
C	Birch, W.T.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #7 0.01oz/T Au over 3.5 ft.
		Au		" "	Trench #10 0.02oz/T Au over 2.5 ft.
		Au		" "	Trench #11 0.01oz/T Au over 1.5 ft.
		Au		" "	Trench #12 0.08oz/T Au over 3 ft.
		Au		" "	Trench #14 0.02oz/T Au over 4 ft.
		Au		" "	Trench #15 0.01oz/T Au over 1.5 ft.
		Au		" "	Trench #17 0.02oz/T Au over .5 ft.
D_1	Dowson, W.C.H.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #1 (65) 0.01oz/T Au over 1 ft.
D_2		Au		" "	DDH #10 (66) 0.05oz/T Au over 2 ft.
D_3		Au		" "	DDH #7 (69) 0.03oz/T Au over 3 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E_1	Durham, I.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #3 (8/49) (69) 0.09oz/T Au over 4 ft.
E_2		Au		" "	DDH #1 (4/45) (68) 0.06oz/T Au over .5 ft.
F	Edross Consolidated Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake OGS 1957,MRC 13 p.131 ODM 1971,AR v.65 pt.5,p.37-38	DDH #1066 (76) 0.02oz/T Au over 5 ft. "Magnetic survey and four drill holes 3,769 feet in length drilled by Edross Consolidated Mines Ltd. in 1949"
G_1	Ginn, A.P.;Parsons, G.E.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #80-32 (77) 0.01oz/T Au over 10 ft.
G_2		Au		" "	DDH #80-34 (79) 0.05oz/T Au over 10 ft.
G_3		Au		" "	DDH #80-35 (80) 0.03oz/T Au over 20 ft.
G_3		Au		" "	DDH #80-36 (81) 0.23oz/T Au over 10 ft.
G_3		Au		" "	DDH #80-37 (82) 0.02oz/T Au over 3.5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G_3	Ginn, A.P.;Parsons, G.E.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #80-38 (83) 0.03oz/T Au over 35 ft.
G_4		Au Cu		" "	DDH #80-30 (84) 0.03oz/T Au over 10 ft. 0.72% Cu over 4 ft.
G_4		Au Cu		" "	DDH #80-31 (85) 0.02oz/T Au over 10 ft. 0.83% Cu over 2.5 ft.
G_5		Au		" "	DDH #80-14 (86) 0.02oz/T Au over 10 ft.
G_5		Au		" "	DDH #80-15 (87) 0.01oz/T Au over 10 ft.
G_6		Au		" "	DDH #80-16 (88) 0.08oz/T Au over 10 ft.
G_6		Au		" "	DDH #80-17 (89) 0.01oz/T Au over 10 ft.
G_6		Au		" "	DDH #80-18 (90) 0.08oz/T Au over 2 ft.
G_7		Au		" "	DDH #80-20 (92) 0.04oz/T Au over 10 ft.
G_7		Au		" "	DDH #80-21 (93) 0.05oz/T Au over 10 ft.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G_7	Ginn, A.P.;Parsons, G.E.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #80-22 (94) 0.01oz/T Au over 10 ft.
G_7		Au		" "	DDH #80-23 (95) 0.07oz/T Au over 10 ft.
G_7		Au		" "	DDH #80-24 (96) 0.07oz/T Au over 10 ft.
G_7		Au		" "	DDH #80-25 (97) 0.02oz/T Au over 10 ft.
G_7		Au		" "	DDH #80-26 (98) 0.09oz/T Au over 1.5 ft.
G_6		Au		" "	DDH #80-27 (99) 0.10oz/T Au over 10 ft.
G_6		Au		" "	DDH #80-28 (100) 0.10oz/T Au over 12 ft.
G_8		Au		" "	DDH #80-29 (101) 0.30oz/T Au over 2 ft.
H_1	Golden Arrow Mines Ltd.	Au	C0224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37	DDH #46 (112) 0.14oz/T Au over 5 ft.
H_1		Au			DDH #47 (113) 0.60oz/T Au over 5 ft.
H_1		Au			DDH #48 (114) 0.10oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_2	Golden Arrow Mines Ltd.	Au	C0224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74 NMI File,42A/08 Au 29 ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189 Can. Mines Handbook 1938,p.107 ODM 1948, AR v.57 pt.2, p.31	DDH #C-2 (174) 0.14oz/T Au over 5 ft. DDH #C-3 (175) 0.04oz/T Au over 5 ft. DDH #C-4 (176) 0.04oz/T Au over 5 ft. DDH #C-6 (177) 0.04oz/T Au over 5 ft. DDH #45-23 (178) 0.13oz/T Au over 5 ft. 1935-37: Surface sampling, trenching, 800 feet of diamond drilling, and No.1 shaft sunk to 48 feet; work done by Golden Arrow Mining Co. Ltd. and under an option by Hollinger Consolidated Gold Mines Ltd. 1946-47: No.2 shaft sunk to 429 feet, levels at 250 and 400 feet, total drifting 1,628 feet, crosscutting 669 feet, surface drilling 27 holes 14,906 feet, underground drilling 58 holes 3,675 feet, by Golden Arrow Mines Ltd.
H_2		Au			
H_2		Au			
H_2		Au			
H_2		Au			

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_2	Golden Arrow Mines Ltd.	Au	C0224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74 NMI File,42A/08 Au 29 ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189 Can. Mines Handbook 1938,p.107 ODM 1948, AR v.57 pt.2, p.31	DDH #45-29 (165) 0.22oz/T Au over 5 ft.
H_2		Au		" "	DDH #45-32 (166) 0.13oz/T Au over 5 ft.
H_2		Au		" "	DDH #33 (167) 0.12oz/T Au over 5 ft.
H_2		Au		" "	DDH #34 (168) 0.25oz/T Au over 5 ft.
H_2		Au		" "	DDH #35 (169) 0.08oz/T Au over 5 ft.
H_2		Au		" "	DDH #37 (170) 0.18oz/T Au over 5 ft.
H_2		Au		" "	DDH #38 (171) 0.85oz/T Au over 5 ft.
H_2		Au		" "	DDH #39 (172) 0.47oz/T Au over 5 ft.
H_2		Au		" "	DDH #C-1 (173) 0.41oz/T Au over 1.8 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_3	Golden Arrow Mines Ltd.	Au	CO224	Resident Geologist Assessment Files Kirkland Lake	DDH #EC-5 (156) 0.38oz/T Au over 2 ft.
H_3		Au		ODM 1937,AR v.45 pt.6,p.32-33	DDH #45-6 (157) 0.28oz/T Au over 2 ft.
H_3		Au		ODM 1957,AR v.65 pt.5,p.35-37	DDH #45-7 (158) 0.22oz/T Au over 1 ft.
H_3		Au		OGS 1971,MRC 13 p.73-74	DDH #EC-9 (159) 0.28oz/T Au over 4 ft.
H_3		Au		NMI File,42A/08 Au 29	DDH #EC-2 (160) 0.12oz/T Au over 3 ft.
H_3		Au		ODM 1937,AR v.46 pt.1,p.138-139	DDH #45-12 (161) 0.08oz/T Au over 2 ft.
				Survey of Mines, 1955,p.189	
				Can. Mines Handbook 1938,p.107	
				ODM 1948, AR v.57 pt. 2, p.31	
H_3		Au		" "	DDH #45-16 (162) 0.42oz/T Au over 3.6 ft.
H_3		Au		" "	DDH #45-17 (163) 0.07oz/T Au over 5 ft.
H_3		Au		" "	DDH #45-21 (164) 0.36oz/T Au over 5 ft.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_4	Golden Arrow Mines Ltd.	Au	CO224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74 NMI File,42A/08 Au 29 ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189 Can. Mines Handbook 1938,p.107 ODM 1948, AR v.57 pt. 2, p.31	DDH #45-24 (147) 0.36oz/T Au over 5 ft.
H_4		Au			DDH #45-25 (148) 0.33oz/T Au over 5 ft.
H_4		Au			DDH #45-26 (149) 0.26oz/T Au over 5 ft.
H_3		Au			DDH #45-1 (150) 0.06oz/T Au over 3 ft.
H_3		Au			DDH #45-2 (151) 0.77oz/T Au over 3 ft.
H_3		Au			DDH #45-3 (152) 0.19oz/T Au over 3 ft.
H_3		Au		" "	DDH #EC-1 (153) 0.44oz/T Au over 3 ft.
H_3		Au		" "	DDH #45-4 (154) 0.24oz/T Au over 1 ft.
H_3		Au		" "	DDH #45-5 (155) 0.06oz/T Au over 2 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_4	Golden Arrow Mines Ltd.	Au	CO224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74 NMI File,42A/08 Au 29 ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189 Can. Mines Handbook 1938,p.107 ODM 1948, AR v.57 pt. 2, p.31	DDH #9 (138) 0.16oz/T Au over 4.8 ft.
H_4		Au			DDH #13 (139) 0.06oz/T Au over 4 ft.
H_4		Au			DDH #35 (140) 0.06oz/T Au over 3 ft.
H_4		Au			DDH #C5 (141) 0.01oz/T Au over 65 ft.
H_4		Au			DDH #18 (142) 0.01oz/T Au over 10 ft.
H_4		Au			DDH #45-13 (143) 0.35oz/T Au over 5 ft.
H_4		Au		" "	DDH #45-15 (144) 0.03oz/T Au over 5 ft.
H_4		Au		" "	DDH #45-19 (145) 0.04oz/T Au over 5 ft.
H_4		Au		" "	DDH #45-20 (146) 0.42oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_5	Golden Arrow Mines Ltd.	Au	CO224	Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6,p.32-33 ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74 NMI File,42A/08 Au 29 ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189 Can. Mines Handbook 1938,p.107 ODM 1948, AR v.57 pt.2, p.31	DDH #42 (125) 0.06oz/T Au over 5 ft.
H_5		Au			DDH #43 (126) 0.07oz/T Au over 5 ft.
H_5		Au			DDH #44 (127) 0.08oz/T Au over 5 ft.
H_5		Au			DDH #45 (128) 0.06oz/T Au over 5 ft.
H_5		Au			DDH #1 (133) 0.10oz/T Au over 10 ft.
H_5		Au			DDH #2 (134) 0.07oz/T Au over 10 ft.
H_4		Au		" "	DDH #5 (135) 0.23oz/T Au over 2 ft.
H_4		Au		" "	DDH #5X (136) 0.40oz/T Au over 7 ft.
H_4		Au		" "	DDH #6 (137) 0.07oz/T Au over 5 ft.

HISLOP TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_1	Golden Arrow Mines Ltd.	Au	CO224	Resident Geologist Assessment Files Kirkland Lake	DDH #49 (115) 0.08oz/T Au over 5 ft.
H_1		Au		ODM 1937,AR v.45 pt.6,p.32-33	DDH #28 (116) 0.46oz/T Au over 5 ft.
H_1		Au		ODM 1957,AR v.65 pt.5,p.35-37 OGS 1971,MRC 13 p.73-74	DDH #22 (117) 0.01oz/T Au over 5 ft.
H_1		Au		NMI File,42A/08 Au 29	DDH # ? (118) 0.07oz/T Au over 5 ft.
H_1		Au		ODM 1937,AR v.46 pt.1,p.138-139 Survey of Mines, 1955,p.189	DDH #45-8 (119) 0.03oz/T Au over 26 ft.
H_1		Au		Can. Mines Handbook 1938,p.107 ODM 1948,AR v.57 pt.2, p.31 ODM 1949, AR v.56 pt.2, p.32	DDH #45-10 (120) 0.08oz/T Au over 20 ft.
H_5		Au		" "	DDH #45-11 (121) 0.03oz/T Au over 60 ft.
H_5		Au		" "	DDH #30 (123) 0.31oz/T Au over 5 ft.
H_5		Au		" "	DDH #31 (124) 0.28oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I_1	Gunnex Limited	Au	C0222	Resident Geologist Assessment Files Kirkland Lake ODM 1956, AR v.65 pt. 5, p.38 OGS 1971, MRC 13 p.131 AFRO 1974, Hislop Tp. DHR 14 NMI File 42A/08 Au 24	DDH #G-22 (201) 0.05oz/T Au over 31.1 ft.
I_1		Au		" "	DDH #G-23 (202) 0.66oz/T Au over 12.3 ft.
I_1		Au		" "	DDH #G-24 (203) 0.13oz/T Au over 9.3 ft.
I_1		Au		" "	DDH #G-25 (204) 0.36oz/T Au over 16.2 ft.
I_1		Au		" "	DDH #G-26 (205) 0.11oz/T Au over 24.7 ft.
I_1		Au		" "	DDH #G-27 (206) 0.13oz/T Au over 14.2 ft.
I_1		Au		" "	DDH #G-28 (207) 0.08oz/T Au over 10 ft.
I_1		Au		" "	DDH #G-29 (208) 0.28oz/T Au over 18.2 ft.
I_1		Au		" "	DDH #G-30 (209) 0.11oz/T Au over 5 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I_2	Gunnex Limited	Au	C0222	Resident Geologist Assessment Files Kirkland Lake ODM 1956, AR v.65 pt.5, p.38 OGS 1971, MRC 13 p.131 AFRO 1974, Hislop Tp. DHR 14 NMI File 42A/08 Au 24	DDH #G-12 (191) 0.16oz/T Au over 20 ft.
I_2		Au			DDH #G-13 (192) 0.10oz/T Au over 15.6 ft.
I_2		Au			DDH #G-14 (193) 0.13oz/T Au over 21.2 ft.
I_2		Au			DDH #G-15 (194) 0.45oz/T Au over 9.0 ft.
I_2		Au		" "	DDH #G-16 (195) 0.30oz/T Au over 11.8 ft.
I_2		Au		" "	DDH #G-17 (196) 0.70oz/T Au over 9.2 ft.
I_2		Au		" "	DDH #G-18 (197) 0.17oz/T Au over 5.4 ft.
I_2		Au		" "	DDH #G-19 (198) 0.69oz/T Au over 13.7 ft.
I_2		Au		" "	DDH #G-20 (199) 0.06oz/T Au over 25.8 ft.
I_2		Au		" "	DDH #G-21 (200) 0.17oz/T Au over 14.5 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I_3	Gunnex Limited	Au	C0222	Resident Geologist Assessment Files Kirkland Lake ODM 1956, AR v.65 pt. 5, p.38 OGS 1971, MRC 13 p.131 AFRO 1974, Hislop Tp. DHR 14 NMI File 42A/08 Au 24	DDH #G-1 (180) 0.48oz/T Au over 2.7 ft.
I_3		Au			DDH #G-2 (181) 0.01oz/T Au over 5 ft.
I_3		Au			DDH #G-3 (182) 0.06oz/T Au over 3.9 ft.
I_3		Au			DDH #G-4 (183) 0.34oz/T Au over 3.9 ft.
I_3		Au		" "	DDH #G-5 (184) 0.16oz/T Au over 3.3 ft.
I_3		Au		" "	DDH #G-6 (185) 0.18oz/T Au over 2.8 ft.
I_3		Au		" "	DDH #G-7 (186) 0.71oz/T Au over 2.2 ft.
I_3		Au		" "	DDH #G-8 (187) 0.09oz/T Au over 5 ft.
I_3		Au		" "	DDH #G-9 (188) 0.13oz/T Au over 18 ft.
I_3		Au		" "	DDH #G-10 (189) 0.14oz/T Au over 8.1 ft.
I_3		Au		" "	DDH #G-11 (190) 0.30oz/T Au over 4.2 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I_1	Gunnex Limited	Au	C0222	Resident Geologist Assessment Files Kirkland Lake ODM 1956, AR v.56 pt. 5, p.38 OGS 1971, MRC 13 p.131 AFRO 1974, Hislop Tp. DHR 14 NMI File 42A/08 Au 24	DDH #G-31 (210) 0.21oz/T Au over 7.4 ft. DDH #G-32 (211) 0.16oz/T Au over 3 ft. Seven drill holes with a total of 5,500 feet were put down by Gunnar Mines Ltd. from 1946-1949.
I_1		Au			
J	Heavens, A.E.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #2 0.40oz/T Au over 0.25 ft.
		Au		" "	Trench #3 0.40oz/T Au over 1.25 ft.
K	Hiskerr Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake ODM 1957, AR v.65 pt.5, p.9,20,35 OGS 1971, MRC 13 p.131	DDH #8B (218) 0.08oz/T Au over 3.6 ft. Nine holes with a total length of 5,157 feet were drilled in 1947 by Hiskerr Gold Mines Ltd. to explore the area north-west of the Kelore property.
L	Hollinger Mines Limited (Guillemette Option)	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #H4-1-76 (236) 0.06oz/T Au over 25 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
M_1	Kelwren Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #55 (250) 0.09oz/T Au over 5 ft.
M_2		Au		" "	DDH #56 (251) 0.03oz/T Au over 5 ft.
M_2		Au		" "	DDH #57 (252) 0.14oz/T Au over 2.9 ft.
M_2		Au		" "	DDH #58 (253) 0.54oz/T Au over 4.5 ft.
M_2		Au		" "	DDH #59 (254) 0.15oz/T Au over 5.8 ft.
M_2		Au		" "	DDH #60 (255) 0.15oz/T Au over 5 ft.
M_2		Au		" "	DDH #61 (256) 0.08oz/T Au over 5.4 ft.
M_2		Au		" "	DDH #62 (257) 0.02oz/T Au over 5 ft.
M_2		Au		" "	DDH #63 (258) 0.10oz/T Au over 5 ft.
M_2		Au		" "	DDH #64 (259) 0.03oz/T Au over 5 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
M_1	Kelwren Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #46 (239) 0.73oz/T Au over 5 ft.
M_1		Au		" "	DDH #47 (240) 0.61oz/T Au over 4.5 ft.
M_1		Au		" "	DDH #48 (241) 3.96oz/T Au over 5 ft.
M_1		Au		" "	DDH #49 (242) 1.43oz/T Au over 5 ft.
M_1		Au		" "	DDH #50 (243) 0.11oz/T Au over 5 ft.
M_1		Au		" "	DDH #52 (244) 0.07oz/T Au over 5 ft.
M_1		Au		" "	DDH #53 (245) 0.06oz/T Au over 4 ft.
M_1		Au		" "	DDH #75 (246) 0.04oz/T Au over 5.5 ft.
M_1		Au		" "	DDH #76 (247) 0.50oz/T Au over 5 ft.
M_1		Au		" "	DDH #54 (249) 0.25oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
M_3	Kelwren Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #65 (260) 1.04oz/T Au over 5 ft.
M_3		Au		" "	DDH #66 (261) 0.04oz/T Au over 5 ft.
M_3		Au		" "	DDH #67 (262) 0.06oz/T Au over 4.2 ft.
M_3		Au		" "	DDH #69 (264) 0.94oz/T Au over 3.1 ft.
M_3		Au		" "	DDH #71 (265) 0.64oz/T Au over 1.6 ft.
M_3		Au		" "	DDH #72 (266) 0.11oz/T Au over 4.4 ft.
M_3		Au		" "	DDH #73 (267) 0.58oz/T Au over 1.4 ft.
M_3		Au		" "	DDH #74 (268) 0.06oz/T Au over 4.8 ft.
N	Matachewan Consolidated Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #84-1 (296) 0.01oz/T Au over 3 ft.
		Au		Resident Geologist Assessment Files Kirkland Lake	DDH #84-2 (297) 1.00oz/T Au over 2 ft.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
N	Matachewan Consolidated Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #84-3 (298) 0.01oz/T Au over 3 ft.
O	Miles, F.G.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench (East) 0.08oz/T Au over 1 ft.
		Au		" "	Trench (Central) 0.01oz/T Au over 1.5 ft.
		Au		" "	Trench (West) 0.12oz/T Au over 1.5 ft.
P	Nevada Exploration Limited	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #74-18 (299) 0.01oz/T Au over 5 ft.
		Au		" "	DDH #74-21 (300) 0.61oz/T Au over 5 ft.
		Au		" "	DDH #74-22 (301) 0.01oz/T Au over 5 ft.
		Au		" "	DDH #74-24 (303) 0.01oz/T Au over 3 ft.
		Au		" "	DDH #74-25 (304) 0.01oz/T Au over 5 ft.
		Au		" "	DDH #74-26 (305) 0.01oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
P	Nevada Exploration Limited	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #74-28 (307) 0.01oz/T Au over 5 ft.
		Au		" "	DDH #74-30 (309) 0.01oz/T Au over 5 ft.
Q	New Kelore Mines Ltd.	Au	C0226	Resident Geologist Assessment Files Kirkland Lake	DDH #98 (310) 0.01oz/T Au over 5 ft.
		Au		ODM 1936, AR v.45 pt.6, p.24-27	DDH #99 (311) 0.31oz/T Au over 5 ft.
		Au		ODM 1946, AR v.65 pt.5, p.45-47 OGS 1971, MRC 13 p.75	DDH #100 (312) 0.05oz/T Au over 5 ft.
		Au		NMI File 42A/08 Au 32 ODM 1941, AR v.50 pt.1, p.59	DDH #101 (313) 0.14oz/T Au over 5 ft.
		Au		ODM 1948, AR v.57 pt.2, p.45 ODM 1949, AR v.58 pt.2, p.35	DDH #102 (314) 0.04oz/T Au over 5 ft.
		Au		" "	DDH #103 (315) 0.11oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Q	New Kelore Mines Ltd.	Au	C0226	Resident Geologist Assessment Files Kirkland Lake ODM 1936, AR v.45 pt.6, p.24-27 ODM 1946, AR v.65 pt.5, p.45-47 OGS 1971, MRC 13 p.75 NMI File 42A/08 Au 32 ODM 1941, AR v.50 pt.1, p.59 ODM 1948, AR v.57 pt.2, p.45 ODM 1949, AR v.58 pt.2, p.35	Surface exploration and 4,914 feet of diamond drilling by Tovoric Gold Mines Ltd. 1939-40: Shaft 319 feet, levels at 80, 180 and 300 feet, total drifting and crosscutting on the two upper levels 917 feet by Kelrowe Gold Mines Ltd. 1947: Shaft deepened to 475 feet, level at 450 feet, lateral work 707 feet, underground drilling 6 holes 2,429 feet by Kelwren Gold Mines Ltd. 1948: Lateral work 2,928 feet underground drilling 122 holes 12,623 feet by Kelore Gold Mines.
R	Pamour Porcupine Mines Limited	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #NOR-1 (317) 0.02oz/T Au over 2 ft.
S	Pamour Porcupine Mines Limited "Vimy Group"	Au		Resident Geologist Assessment Files Kirkland Lake	Basal till sample assayed 562 ppb over 6" (0.5ft.) heavy mineral concentration.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T_1	Pancontinental Mining (Canada) Limited	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #P-1 (334) 0.25oz/T Au over 4 ft.
T_1		Au		" "	DDH #P-2 (335) 0.20oz/T Au over 7 ft.
T_1		Au		" "	DDH #P-3 (336) 0.46oz/T Au over 2 ft.
T_1		Au		" "	DDH #P-4 (337) 0.06oz/T Au over 3.2 ft.
T_1		Au		" "	DDH #P-5 (338) 0.17oz/T Au over 2 ft.
T_1		Au		" "	DDH #P-6 (339) 0.24oz/T Au over 1.5 ft.
T_1		Au		" "	DDH #P-7 (340) 0.13oz/T Au over 12 ft.
T_2		Au		" "	DDH #P-8 (341) 0.44oz/T Au over 16 ft.
T_2		Au		" "	DDH #P-9 (342) 0.31oz/T Au over 2.3
T_2		Au		" "	DDH #P-10 (343) 0.14oz/T Au over 5 ft.

HISLOP TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
T_2	Pancontinental Mining (Canada) Limited	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #P-11 (344) 0.08 oz/T Au over 6.4 ft.
T_2		Au		" "	DDH #P-13 (346) 0.37oz/T Au over 2 ft.
T_2		Au		" "	DDH #P-14 (347) 0.09oz/T Au over 6 ft.
U	Pion, A.	Au		Resident Geologist Assessment Files Kirkland Lake	DDH #1030 (350) 0.06oz/T Au over 5 ft.
V	Smith, A.R.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #7 0.40oz/T Au over 0.8 ft.
		Au		" "	Trench #14 0.40oz/T Au over 2 ft.
W_1	Vimy Gold Mines Ltd.	Au	C0223	Resident Geologist Assessment Files Kirkland Lake	DDH #V-5 (352) 0.07oz/T Au over 1 ft.
W_2		Au		ODM 1936, AR v.45 pt. 6, p.29-30 pt.1, p.168	DDH #1 (353) 0.03oz/T Au over 5 ft.
W_2		Au		OGS 1971, MRC 13 p.77 NMI File 42A/08 Au 2	DDH #2 (354) 0.07oz/T Au over 5 ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
W_3	Vimy Gold Mines Ltd.	Au	C0223	Resident Geologist Assessment Files Kirkland Lake ODM 1936, AR v.45 pt.6, p.29-30 pt.1, p.168 OGS 1971, MRC 13 p.77 NMI File 42A/08 Au 2 Mineral Resource Branch Files, Vimy ODM 1957, AR v.65 pt.5, p.24	DDH #EC-8 (368) 0.17oz/T Au over 1.4 ft.
W_3		Au			DDH #EC-9 (369) 0.10oz/T Au over 10 ft.
W_3		Au			DDH #EC-10 (370) 0.12oz/T Au over 3.6 ft.
W_3		Au			DDH #EC-11 (371) 0.12oz/T Au over 3 ft.
W_4		Au			DDH #1 (372) 0.20oz/T Au over 10 ft.
W_4		Au		" "	DDH #2 (373) 0.32oz/T Au over 5.5 ft.
W_4		Au		" "	DDH #3 (374) 0.16oz/T Au over 3 ft.
W_4		Au		" "	DDH #4 (375) 0.51oz/T Au over 2.3 ft.
W_5		Au		" "	DDH #5 (376) 0.04oz/T Au over 3.1 ft.
W_5		Au		" "	DDH #6 (377) 0.04oz/T Au over 2.1 ft.
W_5		Au		" "	DDH #7 (378) 0.12oz/T Au over 4 ft.

HISLOP TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
W_2	Vimy Gold Mines Ltd.	Au	C0223	Resident Geologist Assessment Files Kirkland Lake ODM 1936, Ar v.45 pt.6, p.29-30 pt.1, p.168 OGS 1971, MRC 13 p.77 NMI File 42A/08 Au 2 Mineral Resource Branch Files, Vimy ODM 1957, AR v.65 pt.5, p.24	DDH #4 (356) 0.03oz/T Au over 4.6 ft.
W_2		Au			DDH #5 (357) 0.20oz/T Au over 2.1 ft.
W_2		Au			DDH #6 (358) 0.42oz/T Au over 4.8 ft.
W_2		Au			DDH #7 (359) 0.14oz/T Au over 4.8 ft.
W_3		Au			DDH #EC-1 (360) 0.02oz/T Au over 0.30 ft.
W_3		Au		" "	DDH #EC-2 (361) 0.04oz/T Au over 10 ft.
W_3		Au		" "	DDH #EC-3 (362) 0.07oz/T Au over 3 ft.
W_3		Au		" "	DDH #EC-4 (363) 0.04oz/T Au over 10 ft.
W_3		Au		" "	DDH #EC-6 (365) 0.12oz/T Au over 1.3 ft.
W_3		Au		" "	DDH #8 (368) 0.24oz/T Au over 4.2 ft.
W_3		Au		" "	DDH #EC-7 (367) 0.04oz/T Au over [illegible] ft.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
W	Vimy Gold Mines Ltd.	Au	C0223	Resident Geologist Assessment Files Kirkland Lake ODM 1936, AR v.45 pt.6, p.29-30 pt.1, p.168 OGS 1971, MRC 13 p.77 NMI File 42A/08 Au 2 Mineral Resource Branch Files, Vimy ODM 1957, AR v.65 pt.5, p.24	Open Cut 0.15oz/T Au over 585 ft. 1934-35: Trenching, 3,000 feet of diamond drilling, mill of 25 tons per day capacity erected, open pit 200 feet long and up to 20 feet wide, shaft to 75 feet by Vimy Gold Mines Ltd. 1936: One drill hole and sampling of the surface exposure by Hollinger Consolidated Gold Mines Ltd. 1946: Magnetic survey and 11 drill holes by Vimy Gold Mines Ltd. 1961: 5 drill holes on the assumed southern extension of the mineralized zone by Vimy Gold Mines Ltd.
X	Vincent, C.	Au		Resident Geologist Assessment Files Kirkland Lake ODM 1937, AR v.45 pt.6, p.24-25 ODM 1957, AR v.65 pt.5,p.24-25,32-33 37-38,45-47	Grab sample #17150 0.01oz/T Au
		Au			Grab sample #17151 0.09oz/T Au
		Au			Grab sample #17152 0.06oz/T Au
		Au		" "	Trench #1 0.06oz/T Au over 1 ft.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
X	Vincent, C.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #2 0.06oz/T Au over 1 ft.
		Au		ODM 1937, AR v.45 pt.6, p.24-25	Trench #3 0.08oz/T Au over 1.5 ft.
		Au		ODM 1957, AR v.65 pt.5, p.24-25,32-33 37-38,45-47	Trench #4 0.09oz/T Au over 2 ft.
		Au		" "	Trench #5 0.02oz/T Au over 1 ft.
		Au		" "	Trench #6 0.04oz/T Au over 1.8 ft.
Y	Vin Dur Gold Mines Ltd.	Au		Resident Geologist Assessment Files Kirkland Lake	Trench #2 0.16oz/T Au over 5 ft.
		Au		" "	Trench #3 0.02oz/T Au over 5 ft.
		Au		" "	Trench #4 0.04oz/T Au over 5 ft.
		Au		" "	Trench #5 0.02oz/T Au over 5 ft.
Z	Weir, J.; Weir, F.	Au		Resident Geologist Assessment Files Kirkland Lake ODM 1937,AR v.45 pt.6, p.32	Grab sample 0.03oz/T Au

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Z	Weir, J.; Weir, F.	Au		Resident Geologist Assessment Files Kirkland Lake	Grab sample 0.01oz/T Au
		Au		ODM 1937, AR v.45 pt.6, p.32	Grab sample 0.04oz/T Au
		Au		" "	Grab sample 0.03oz/T Au
		Au		" "	Grab sample 0.08oz/T Au
		Au		" "	Trench #3 0.03oz/T Au over 2.5 ft.
		Au		" "	Trench #4 0.03oz/T Au over 1.5 ft.
		Au		" "	Trench #5 0.14oz/T Au over 3 ft.
		Au		" "	Grab sample 0.12oz/T Au

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
AA	Hislop Gold Mines	Au		Resident Geologist Assessment Files Kirkland Lake NMI File 42A/09 Au 14 OBM 1919, AR v.28 pt.2, p.22,54,56 ODM 1929, AR v.37 pt.1, p.57 ODM 1972, AR v.30 pt.2, p.28 ODM 1937, AR v.45 pt.6, p.27-29 ODM 1939, AR v.47 pt.1, p.132 ODM 1953, AR v.60 pt.9, p.7,10,30-31 p.36 ODM 1951,AR v.60 pt.9, p.51 ODM 1956, AR v.65, pt.5, p.38	1935-37: No.1 shaft to 50 feet, No.2 shaft 170 feet, level at 150 feet, drifting 290 feet, surface drilling 1,870 feet, underground drilling 2,501 feet by Hislop Gold Mines Ltd. andunder an option by Ventures Ltd. and Mining Corp. of Can. Ltd. 1946: 15 holes 9,446 feet drilled by Hislop Mines Ltd. in Guibord Township part of the property.
AB	Martin-Bird Occurrence	Au		ODM 1957, AR v.65 pt.5, p.47-48 OGS 1971, MRC 13 p.131	Eleven holes with a total length of 9,752 feet were drilled by Martin-Bird Gold Mines Ltd. in 1949

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
AC	Ross Mine Occurrence	Au	C0225	ODM 1936, AR v.45 pt.6, p.17-23, pt.1, p.112-116 ODM 1956, AR v.65 pt.5, p.39-44 OGS 1971, MRC 13 pt. 76 NMI File 42A/08 Au 30 ODM 1935, AR v.43 pt.1, p.72-75 ODM 1936, AR v.44 pt.1, p.100-102 ODM 1938, AR v.46 pt.1, p.13-14,19 ODM 1953, AR v.60 pt.9, p.14-15,36-37 ODM 1968, AR v.78 p.17-18. Struct. Geol. Cdn. Ore Deposits, CIMM 1948 Jubile vol., p.570-579	1933: Sampled by F. Tremblay 1933-35: Trenching, surface drilling. Shaft to 480 feet, levels at 150, 300 and 450 feet and 1,000 feet lateral work on 150-level by Hollinger Consolidated Gold Mines Ltd. 1936-68: No.1 shaft 2,910 feet deep. Total development 50,788 feet of drifts 47,820 feet of crosscuts. Mill handles 440 tons per operating day. Operated by Hollinger Consolidated Gold Mines Ltd.
AD	Holcrop Occurrence	Au		ODM 1941, AR v.50 pt.1, p.51 ODM 1956, AR v.65 pt.5, p.39 OGS 1971, MRC 13 p.131	Hisbert Mines Ltd. inc., 1935 Holcorp Gold Mines Ltd. inc. Exploration from 475-foot level of the Ross Mine did not locate ore.

GDIF FORM NO. 1

HISLOP TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Abuy Gold Mines Ltd. "McBride Group"	45			39 45															
2	Alarie, Gelas (Sylvanite Misc. File)	38																		
3	Anson Cartwright Mines Ltd.	46			46							46								
4	Armco Minerals Expl. Ltd. "Parsons Hislop Property"	83 81 79			81 80 79							83	83							
5	Asarco Expl. Co. Canada Ltd. "Vimy Ridge Project"				81															
6	Birch, W.T.	34		34		34		34												
7	Bush, V.							34												
8.	Canadian Johns Manville Co. Ltd.		74																	
9	Canamax Resources Inc. "Hislop 1"	84																		
10	Canamax Resources Inc. "Pipestone Project"								84	84										

GDIF FORM NO. 2

	TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																					
	EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY					
	COMPANY/AUTHOR (file number)																						
11	Cane, C.							34															
12	Canviand, R.				46																		
13	Coaldale Holdings Canada Ltd.							81															
14	Dalhousie Oil Corp.											77	76										
15	Dominion Gulf Company				51 52							51											
16	Dowson, W.C.H.				35																		
17	Durham, I.				45 49			37															
18	Edross Consolidated Gold Mines Ltd.				59 50 41			49				49											
19	Ginn, A.P.;Parsons, G.E.	79			80 79	80 79	80					79											
20	Golden Arrow Mines Ltd.			35 40	37 45 46	37	35- 37 46 47	34 46 54															

GDIF FORM NO. 2

HISLOP TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
21	Graham Lot "S.J. Bird Option"				62															
22	Gunnex Limited				74															
23	Heavens, A.E.	34		34		34		34												
24	Hiskerr Gold Mines Ltd.				47															
25	Hislop Mines Ltd.	49			44 45															
26	Hollinger Consolidated Gold Mines Ltd. "Dominion Gulf Opt."				62 63															
27	Hollinger Consolidated Gold Mines Ltd. "Ross Mine"	50					33 to 68													
28	Hollinger Mines Ltd. (Guillemette Opt.)	75 76			76								75							
29	Hollinger Mines Ltd. "Hislop #1 Group"	74										74	73 76							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
30	Ingamar Exploration Co. Ltd.										76									
31	International Nickel Co. of Canada Ltd.				65															
32	Kelwren Gold Mines Ltd.	47 48			46 47		39 40 47	47												
33	Lefebre, F.							47												
34	Martin Bird Gold Mines Ltd. "Ladouceur"	46			46															
35	Matachewan Consolidated Mines Ltd.				84	84														
36	Miles, F.G.			34		34		34												
37	Neal, H.E.	84										85 86	85 86							
38	Nevada Explorations Ltd.	73			74			73												

GDIF FORM NO. 2

HISLOP TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
39	New Kelore Mines Ltd.				49 50			74 73												
40	Newlove, F.							34												
41	Noranda Exploration Co. Ltd.	78										78	78							
42	Pamour Porcupine Mines Ltd.				80															
43	Pamour Porcupine "Vimy Group"		83		84 83							83 81 80	82 81							
44	Pancontinental Mining (Canada) Ltd.	80	80 ?		80							80 81			80					
45	Pion, A.				39			39												
46	Smith, A.R.			34		34		34 44 45												
47	Solmes, W.P.				55															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
48	Tittley, H.Z.											85								
49	Vimy Gold Mines Ltd.			34 35	45 46 61	61	35	46 47 36 37				46								
50	Vincent, C.			34		34		34												
51	Vin Dur Gold Mines Ltd.			38		38		38												
52	Weir, J.; Weir, F.			34		34		34												
53	Western Surf Inlet Mines Ltd.				62															
54	Young-Davidson Mines				75			74				73								

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | |

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Abuy Gold Mines Ltd. "McBride Group"	1	1939	138°	-45°	4'	136'	qcv,calc	Au
2	" "	2	1939	105°	-45°	8'	138'	qcv,calc	Au
3	" "	3	1939	138°	-70°	0'	37'	qcv,py,calc	Au
4	" "	4	1939	126°	-70°	9'	57'	qcv,calc	Au
5	" "	5	1939	123°	-45°	38'	153'	q,qcv,calc	Au
6	" "	6	1939	132°	-60°	25'	120'	qcv,calc	Au
7	" "	7	1939	123°	-60°	24'	90'	qcv,calc	Au
8	" "	8	1939	105°	-60°	3'	125'	q,qcv,calc	Au
9	" "	9	1939	105°	-60°	40'	137'	qcv,calc	Au
10	" "	10	1939	105°	-70°	52'	141'	qcv,calc	Au
11	" "	11	1939	105°	-50°	28'	152'	q,calc	Au
12	" "	12**	1939	105°	-45°	-	141'	-	-
13	" "	13**	1939	105°	-60°	-	150'	-	-
14	" "	14**	1939	105°	-60°	-	145'	-	-
15	" "	15**	1939	92°	-50°	-	139'	-	-
16	" "	16	5/45	93°	-57°	70'	797'	carb,py,cp,q	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Swastika Core Storage Library

xx - No date

†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
17	Abuy Gold Mines "McBride Group"	17	7/45	110°	-45°	35'	757'	q,carb	Au
18	" "	19	6/45	119°	-45°	70'	779'	cp,py,carb serp	Au
19	" "	20	xx	357°	-51°	70'	610'	qcv,calc carb,q	-
20	Anson Cartwright Mines Ltd.	1	1946	303°	-45°	60'	669'	py,carb,qcv serp,calc	-
21	" "	2	1946	23°	-45°	60'	675'	py,calc qcv,serp	Au
22	" "	3	1946	66°	-45°	50'	328'	calc,py.qcv serp	-
23	Armco Mineral Expl. Ltd. "Parsons Hislop Prop."	81-43	7/81	-	-90°	22'	360'	qcv,py q,VG	-
24	" "	81-44	7/81	-	-90°	19'	107'	py,qcv,q	-
25	" "	81-45	7/81	-	-90°	11'	147'	py,qcv	-
26	" "	81-46	7/81	180°	-45°	16'	175'	py,qcv,q,cp	-
27	" "	81-47	7/81	-	-90°	20'	317'	qcv,py,VG	-
28	" "	81-48	7/81	-	-90°	22'	242'	py,qcv,q,VG	-
29	" "	81-49	7/81	-	-90°	21'	197'	qcv,py,qv,VG	-
30	" "	81-51	7/81	64°	-45°	14'	97'	py,q	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Swastika Core Storage Library

xx - No data

†† - from till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
31	Armco Mineral Expl. Ltd. "Parsons Hislop Prop."	81-52	8/81	-	-90°	17'	300'	py,qcv	-
32	" "	81-53	8/81	180°	-55°	2'	97'	qcv,q,py carb	-
33	" "	81-54	8/81	180°	-65°	3'	107'	qcv,py q,carb	-
34	" "	81-55	8/81	180°	-45°	13'	100'	py,qcv,carb	-
35	" "	81-56	8/81	180°	-55°	12'	107'	py,carb,qcv	-
36	" "	81-57	8/81	180°	-65°	10'	121'	py,qcv carb,q	-
37		81-58	8/81	180°	-45°	8'	105'	VG,qcv,py	-
38	" "	81-59	8/81	180°	-65°	13'	100'	q,qcv,py	-
39	" "	81-60	8/81	180°	-45°	13'	122'	py	-
40	" "	81-61	8/81	180°	-45°	11'	100'	py	-
41	Asarco Exploration Co. of Canada Ltd. "Vimy Ridge Project"	HL-1	6/81	-	-90°	37'	40'	py,hem,mag	-
42	" "	HL-2	6/81	-	-90°	29'	31'	py,hem,mag	-
43	" "	HL-3	6/81	-	-90°	123'	128'	-	-
44	" "	HL-4	6/81	-	-90°	45'	50'	py,mag	-

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Swastika Core Storage Library

** - No data

†† - Iron till heavy mineral concentrate

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
45	Asarco Exploration Co. of Canada Ltd. "Vimy Ridge Project	HL-5	6/81	-	-90°	113'	117'	mag,py	-
46	" "	HL-6	6/81	-	-90°	85'	93'	mag,py	-
47	" "	HL-7	7/81	-	-90°	68'	71'	mag,py	-
48	" "	HL-8	7/81	-	-90°	77'	82'	mag,py	-
49	Canviand, R.	1	1946	-	-30°	0'	50'	qcv,py	-
50	" "	2	1946	-	-35°	0'	50'	qcv,py	-
51	" "	3	1946	-	-35°	0'	50'	qcv,py	-
52	" "	4	1946	-	-30°	0'	50'	qcv,py	-
53	Dominion Gulf Company	69-1	6/51	45°	-45°	5'	600'	qcv,calc,py	-
54	" "	2	6/51	0°	-45°	4'	450'	py,qcv calc,carb	-
55	" "	3	7/51	-	-90°	55'	105'	py,serp	-
56	" "	4	12/51	210°	-45°	180'	830'	py,mag,cpq,serp,calc	-
57	" "	5	1/52	177°	-50°	155'	1147'	py,mag,ash calc,cp,qcv	-

? - Location unknown
* - Length of overburden down drill hole
xx - No data
** - No drill logs
† - Core stored at Swastika Core Storage Library
++ From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
58	Dominion Gulf Company	6	2/52	215°	-50°	136'	785'	py,qcv,calc mag,q,hem spec,carb	-
59	" "	7	3/52	30°	-49°	165'	802'	mag,q,carb qcv,serp py,calc	-
60	" "	8	9/52	187°	-45°	115'	419'	py,q,mo	-
61	" "	52-9	10/52	32°	-45°	154'	435'	mag,qcv,py	-
62	" "	52-10	10/52	0°	-45°	130'	675'	qcv,serp mag,hem,py	-
63	" "	52-11	11/52	225°	-45°	125'	436'	qcv,carb,q	-
64	" "	52-12	11/52	41°	-45°	5'	350'	qcv,carb	-
65	Dowson, W.C.H.	1	9/35	129°	-50°	46'	249'	py,qcv,q	Au
66	" "	10	10/35	120°	-55°	82'	498'	py,qcv	Au
67	" "	7	10/35	129°	-50°	62'	322'	qcv,cp,q	Au
68	Durham, I.	1	4/45	45°	-55°	56'	1003'	qcv,calc hem,py,cp	Au
69	" "	3	8/49	262°	-50°	258'	1196'	calc,q,py mo,cp,qcv	Au
70	" "	4	1945	-	-50°	352'	852'	qcv,calc,py	Au

? - Location unknown
** - No drill logs
* - Length of overburden down drill hole
† - Core stored at Swastika Core Storage Library
xx - No data
++ - From till heavy mineral concentrate

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
71	Edross Consolidated Gold Mines Ltd.	H-5	11/59	50°	-45°	125'	813'	py,q,carb qcv,calc,hem	Au,Ag
72	" "	H-1	4/50	52°	-50°	53'	866'	py,q	-
73	" "	H-2	4/50	51°	-50°	75'	817'	py,carb,q mag,qcv	-
74	" "	H-3	4/50	231°	-50°	65'	1179'	py,q,hem qcv,carb	-
75	" "	H-4	4/50	67°	-50°	119'	907'	py	-
76	" "	1066	2/41	135°	-53°	106'	988'	q,qcv,carb	Au
77	Ginn, A.P.;Parsons, G.E.	80-32	9/80	40°	-54°	103'	564'	py,qcv,q carb,hem,cp	Au
78	" "	80-33	10/80	40°	-60°	101'	300'	qcv,carb hem,py	-
79	" "	80-34	10/80	180°	-45°	27'	350'	py,qcv,hem	Au
80	" "	80-35	10/80	180°	-45°	20'	356'	py,cp,q qcv,carb	Au
81	" "	80-36	10/80	-	-90°	14'	267'	py,carb mag,VG,q	Au
82	" "	80-37	10/80	110°	-80°	16'	260'	qcv,mo,py	Au

? - Location unknown

** - No drill logs

* - Length of overburden down drill hole

† - Core stored at Swastika Core Storage Library

xx - No data

++ - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
83	Ginn, A.P.;Parsons, G.E.	80-38	10/80	-	-90°	18'	287'	q,py,qcv carb	Au
84	" "	80-30†	9/80	35°	-45°	28'	352'	q,cp,mag carb	Au,Cu
85	" "	80-31†	9/80	40°	-45°	36'	347'	mag,py,cp carb	Au,Cu
86	" "	80-14	3/80	-	-90°	21'	400'	py,calc,cp qcv,carb	Au
87	" "	80-15	3/80	200°	-60°	25'	477'	calc,py,qcv	Au
88	" "	80-16	3/80	230°	-45°	24'	257'	py,qcv,VG	Au
89	" "	80-17	3/80	260°	-45°	21'	377'	py,qcv	Au
90	" "	80-18	3/80	260°	-45°	35'	397'	py,qcv,q calc,cp	Au
91	" "	80-19	3/80	68°	-45°	52'	297'	py,qcv cp,q	Au
92	" "	80-20	3/80	64°	-56°	31'	407'	carb,py,qcv	Au
93	" "	80-21	3/80	62°	-45°	24'	254'	py,q,spec mag,cp	Au
94	" "	80-22	3/80	62°	-60°	16'	340'	py,qcv	Au

? - Location unknown

** - No drill logs

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xx - No data

tt - From till heavy mineral concentrate

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
95	Ginn, A.P.;Parsons, G.E.	80-23	3/80	-	-90°	12'	207'	qcv,serp,cp carb,py	Au
96	" "	80-24	3/80	62°	-75°	12'	107'	py	Au
97	" "	80-25	3/80	61°	-45°	17'	122'	py	Au
98	" "	80-26	3/80	61°	-65°	12'	167'	py,q	Au
99	" "	80-27	3/80	147°	-45°	40'	207'	py,q,qcv	Au
100	" "	80-28	4/80	147°	-76°	28'	257'	py,q,qcv	Au
101	" "	80-29†	4/80	45°	-45°	108'	717'	py,qcv	Au
102	" "	79-12†	11/79	144°	-45°	42'	285'	po	-
103	" "	79-11†	11/79	150°	-52°	30'	183'	q,py	-
104	" "	79-8†	10/79	180°	-45°	14'	232'	carb,py	-
105	" "	79-13	11/79	36°	-45°	30'	557'	q,qcv,py	-
106	Golden Arrow Mines Ltd.	50	xx	132°	-45°	75'	790'	py,q,mo,gn	-
107	" "	51	xx	-	-45°	35'	643'	qcv,py,q	-
108	" "	52	xx	125°	-35°	15'	472'	qcv,cp,py carb,q	-
109	" "	53	xx	132°	-55°	20'	357'	qv,py,qcv	-

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
110	Golden Arrow Mines Ltd.	53A	xx	132°	-55°	23'	999'	py,cp,gn carb,calc,q	-
111	" "	54	5/46	-	-45°	42'	1040'	py,q,gn,cp carb,mo	-
112	" "	46	4/46	-	-	-	-	py	Au
113	" "	47	4/46	132°	-45°	77'	513'	py,q,cp,Au	Au
114	" "	48	4/46	-	-45°	85'	607'	py,q,gn carb	Au
115	" "	49	4/46	125°	-45°	14'	282'	py,gn	Au
116	" "	28	11/45	-	-45°	42'	350'	q,py,carb gn,calc,cp	Au
117	" "	22	xx	-	-	61'	250'	py	Au
118	" "	?	11/45	-	-45°	41'	446'	py,q,gn,cp	Au
119	" "	45-8	1945	-	-50°	19'	342'	py,carb,q qcv,cp,hem	Au
120	" "	45-10	5/45	-	-55°	4'	228'	py,carb hem,q	Au
121	" "	45-11	5/45	-	-50°	67'	296'	py,q,cp carb	Au

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
122	Golden Arrow Mines Ltd.	7	6/46	-	-45°	218'	479'	py,carb	-
123	" "	H-30	11/45	-	-45°	-	610'	py,gn,cp calc,q	Au
124	" "	31	xx	-	-45	50'	516'	py,q,cp	Au
125	" "	42	3/46	312°	-45°	72'	950'	gn,py,q	Au
126	" "	43	xx	132°	-45°	108'	559'	carb,py,q	Au
127	" "	44	3/46	132°	-45°	106'	407'	q,py,gn	Au
128	" "	45	4/46	132°	-45°	77'	673'	py,q	Au
129	" "	?	xx	-	-50°	101'	521'	py	-
130	" "	55	5/46	-	-45°	25'	633'	q,py,cp, carb	-
131	" "	56	5/46	-	-45°	100'	728'	py,gn carb,q	-
132	" "	57	5/46	-	-45°	31'	592'	carb,q,py	-
133	" "	1	8/37	160°	-30°	10'	154'	py	Au
134	" "	2	xx	155°	-	14'	158'	q,py,calc	Au
135	" "	5	xx	163°	-	10'	156'	py	Au

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Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
136	Golden Arrow Mines Ltd.	5X	xx	163°	–	11'	85'	py,q	Au
137	" "	6	10/37	161°	-45°	45'	213'	py,calc	Au
138	" "	9	xx	159°	–	9'	141'	py,calc,q	Au
139	" "	13	xx	163°	-35°	13'	150'	py	Au
140	" "	35	xx	165°	-40°	4'	181'	py	Au
141	" "	C5	xx	–	-45°	26'	550'	–	Au
142	" "	18	xx	–	-52°	16'	709'	–	Au
143	" "	45-13	1945	–	-60°	6'	320'	–	Au
144	" "	45-15	1945	–	-60°	8'	400'	–	Au
145	" "	45-19	1945	–	-90°	4'	425'	–	Au
146	" "	45-20	1945	–	-45°	7'	348'	–	Au
147	" "	45-24	1945	–	-45°	19'	442'	–	Au
148	" "	45-25	1945	–	-45°	20'	562'	–	Au
149	" "	45-26	1945	–	-50°	18'	544'	–	Au
150	" "	45-1	1945	–	-40°	6'	394'	–	Au
151	" "	45-2	1945	–	-60°	13'	217'	–	Au

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152	Golden Arrow Mines Ltd.	45-3	1945	-	-30°	3'	70'	-	Au
153	" "	EC-1	xx	-	-30°	3'	154'	-	Au
154	" "	45-4	1945	-	-30°	10'	168'	-	Au
155	" "	45-5	1945	-	-50°	6'	189'	-	Au
	" "	EC-5	xx	-	-30°	10'	156'	-	Au
157	" "	45-6	1945	-	-40°	8'	184'	-	Au
158	" "	45-7	1945	-	-50°	4'	207'	-	Au
159	" "	EC-9	xx	-	-40°	8'	140'	-	Au
160	" "	EC-2	xx	-	-30°	12'	158'	-	Au
161	" "	45-12	1945	-	-50°	36'	304'	-	Au
162	" "	45-16	1945	-	-45°	4'	507'	-	Au
163	" "	45-17	1945	-	-65°	4'	498'	-	Au
164	" "	45-21	1945	-	-45°	6'	272'	-	Au
165	" "	45-29	1945	-	-45°	48'	402'	-	Au
166	" "	45-32	1945	-	-45°	32'	458'	-	Au
167	" "	33	xx	-	-45°	80'	485'	-	Au

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DRILLHOLE SUMMARY

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168	Golden Arrow Mines Ltd.	34	xx	-	-45°	62'	580'	-	Au
169	" "	35	xx	-	-60°	10'	413'	-	Au
170	" "	37	xx	-	-60°	32'	538'	-	Au
171	" "	38	xx	-	-45°	91'	585'	-	Au
172	" "	39	xx	-	-50°	98'	467'	-	Au
173	" "	C-1	xx	-	-50°	19'	558'	-	Au
174	" "	C-2	xx	-	-45°	18'	515'	-	Au
175	" "	C-3	xx	-	-45°	2'	404'	-	Au
176	" "	C-4	xx	-	-45°	46'	485'	-	Au
177	" "	C-6	xx	-	-50°	40'	346'	-	Au
178	" "	45-23	1945	-	-45°	17'	332'	-	Au
179	Graham Lot "S.J. Bird Option"	1	1962	50°	-45°	50'	499'	-	-
180	Gunnex Limited	G-1	6/74	45°	-45°	62'	253'	qcv,py,q carb	Au,Ag
181	" "	G-2	7/74	45°	-46°	71'	243'	qcv,py,carb	Au
182	" "	G-3	7/74	225°	-60°	47'	190'	carb,py	Au,Ag

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Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
183	Gunnex Limited	G-4	7/74	225°	-75°	44'	182'	qcv,py carb,q	Au,Ag
184	" "	G-5	7/74	-	-90°	46'	358'	py,cp,q carb,gn	Au,Ag
185	" "	G-6	7/74	45°	-60°	52'	201'	py,q	Au
186	" "	G-7	7/74	45°	-75°	51'	235'	q,py	Au
187	" "	G-8	7/74	45°	-45°	63'	216'	py,q,carb	Au
188	" "	G-9	7/74	-	-45°	44'	378'	py,q,hem carb	Au
189	" "	G-10	7/74	45°	-47°	60'	196'	q,py,carb	Au
190	" "	G-11	7/74	45°	-62°	48'	228'	q,carb,py hem	Au
191	" "	G-12	7/74	45°	-75°	45'	251'	qcv,q,py	Au
192	" "	G-13	7/74	-	-90°	45'	271'	q,py,carb	Au
193	" "	G-14	7/74	45°	-45°	56'	202'	py,q,hem	Au
194	" "	G-15	7/74	45°	-60°	52'	224'	py,q,carb	Au
195	" "	G-16	8/74	45°	-75°	50'	229'	qcv,py,carb	Au
196	" "	G-17	8/74	-	-90°	44'	350'	q,py,carb,cp	Au

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Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
197	Gunnex Limited	G-18	8/74	45°	-45°	56'	207'	py,q	Au
198	" "	G-19	8/74	45°	-60°	52'	228'	py,q,carb	Au
199	" "	G-20	8/74	45°	-74°	49'	273'	q,py,cp carb	Au
200	" "	G-21	8/74	-	-85°	48'	352'	cp,py,q carb	Au
201	" "	G-22	8/74	-	-45°	67'	237'	py,q,qcv carb,cp	Au
202	" "	G-23	8/74	45°	-60°	56'	225'	cp,q,py carb	Au
203	" "	G-24	8/74	45°	-74°	50'	260'	py,qcv carb,cp	Au
204	" "	G-25	8/74	45°	-85°	49'	313'	q,py,cp carb,gn	Au
205	" "	G-26	8/74	45°	-60°	53'	231'	py,q,cp carb	Au
206	" "	G-27	9/74	45°	-75°	48'	260'	q,py,cp carb,qcv	Au
207	" "	G-28	9/74	45°	-83°	44'	333'	py,q,carb	Au
208	" "	G-29	9/74	45°	-44°	68'	201'	q,py,cp carb	Au

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
209	Gunnex Limited	G-30	9/74	45°	-50°	66'	343'	py,carb,q	Au
210	" "	G-31	9/74	45°	-45°	98'	352'	carb,py,gf	Au
211	" "	G-32	9/74	45°	-70°	75'	415'	py,q,carb	Au
212	Hiskerr Gold Mines Ltd.	1	1947	217°	-50°	58'	424'	hem,carb,py	-
213	" "	2A	1947	217°	-50°	101'	831'	q,py,VG,hem	-
214	" "	3	1947	217°	-50°	99'	636'	carb,py	-
215	" "	4	1947	217°	-50°	70'	640'	carb,py hem,mag	-
216	" "	5	1947	217°	-52°	77'	838'	py,hem,carb	-
217	" "	7	8/47	251°	-52°	142'	716'	q,py	-
218	" "	8B	10/47	187°	-50°	74'	505'	qcv,carb	Au
219	" "	9	10/47	261°	-51°	88'	268'	carb	-
220	" "	10	10/47	187°	-53°	79'	300'	carb	-
221	Hislop Mines Ltd.	22	1944	204°	-45°	243'	841'	carb	-
222	" "	24	1944	215°	-41°	101'	792'	qcv	-
223	" "	25	1944	204°	-45°	127'	655'	calc,carb	-

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
224	Hislop Mines Ltd.	26	1944	28°	-41°	5'	915'	carb,q,py	-
225	" "	27	1944	24°	-50°	88'	572'	carb,py calc	-
226	" "	31	1944	45°	-42°	9'	895'	cp,carb serp	-
227	" "	33	1945	224°	-35°	11'	1063'	mag,qcv	-
228	" "	34	1945	45°	-36°	7'	522'	py,carb,po	-
229	" "	35	4/45	225°	-34°	7'	505'	po,cp,py	-
230	" "	36	5/45	135°	-50°	58'	660'	q	-
231	" "	37	1945	30°	-47°	20'	737	q	-
232	" "	38	5/45	120°	-50°	16'	635'	carb,q	-
233	Hollinger Consolidated Gold Mines Ltd. "Dominion Gulf Opt."	H-1	10/62	240°	-55°	198'	1105'	calc,carb mag	-
234	" "	H-2	5/63	70°	-45°	6'	1292'	serp,calc py,mag,carb	-
235	Hollinger Mines Ltd. "Guillmette Opt."	H2-1-76†	4/76	-	-45°	96'	731'	py,cp,qcv	Cu,Zn,Ni Ag,Pb,Au
236	" , "	H4-1-76†	4/76	-	-45°	102'	599'	py,carb,q hem,qcv	Cu,Zn,Ni Ag,Pb,Au

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
237	International Nickel Co. of Canada Ltd.	28486	6/65	180°	-60°	192'	1118'	py,cp,po Pb,Zn	-
238	" "	28491	5/65	-	-55°	197'	197'	abandoned	-
239	Kelwren Gold Mines Ltd.	46	3/46	220°	-50°	17'	526'	py,carb calc	Au
240	" "	47	4/46	220°	-50°	14'	512'	cp,py,calc	Au
241	" "	48	4/46	220°	-50°	19'	405'	calc,py,VG	Au
242	" "	49	5/46	220°	-50°	11'	559'	calc,py,VG	Au
243	" "	50	5/46	190°	-50°	41'	1042'	carb,py calc,gf	Au
244	" "	52	6/46	220°	-50°	10'	643'	py,carb,q hem	Au
245	" "	53	6/46	190°	-51°	11'	246'	py	Au
246	" "	75	11/46	223°	-44°	15'	451'	carb,py	Au
247	" "	76	11/46	239°	-47°	7'	600'	py,carb serp,calc	Au
248	" "	77	12/46	209°	-43°	6'	250'	carb,py serp	-
249	" "	54	6/46	221°	-49°	14'	444'	py,carb	Au
250	" "	55	6/46	192°	-60°	70'	695'	py	Au

? - Location unknown

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
251	Kelwren Gold Mines Ltd.	56	7/46	10°	-45°	84'	512'	py	Au
252	" "	57	8/46	10°	-50°	31'	1000'	py,carb calc,spec	Au
253	" "	58	8/46	221°	-50°	24'	615'	carb,py	Au
254	" "	59	8/46	193°	-51°	55'	778'	py,carb calc	Au
255	" "	60	8/46	190°	-46°	37'	628'	py,carb,gf	Au
256	" "	61	8/46	7°	-48°	14'	360'	q,py,calc	Au
257	" "	62	9/46	190°	-46°	41'	602'	q,py,carb	Au
258	" "	63	9/46	271°	-44°	12'	525'	py,q,carb	Au
259	" "	64	9/46	191°	-46°	29'	393'	py,carb	Au
260	" "	65	9/46	189°	-48°	96'	410'	py,carb gf,calc	Au
261	" "	66	9/46	193°	-47°	42'	281'	py,carb	Au
262	" "	67	9/46	190°	-45°	79'	547'	carb,py,qcv spec,calc	Au
263	" "	68	9/46	191°	-45°	35'	911'	carb,py	-

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
264	Kelwren Gold Mines Ltd.	69	10/46	191°	-47°	94'	426'	carb,py,cp	Au
265	" "	71	10/46	225°	-46°	8'	478'	py,carb calc,VG	Au
266	" "	72	11/46	190°	-61°	76'	579'	carb,py	Au
267	" "	73	11/46	229°	-46°	69'	598'	py,carb	Au
268	" "	74	11/46	224°	-47°	86'	480'	carb,py	Au
269	" "	78	11/46	-	-47°	8'	452'	carb	-
270	" "	79	11/46	182°	-45°	36'	311'	carb,py	-
271	" "	80	1947	220°	-45°	5'	457'	carb,py	-
272	" "	81	1947	35°	-45°	55'	266'	py.carb	-
273	" "	82	1947	177°	-47°	44'	389'	carb	-
274	" "	83	1947	222°	-45°	5'	345'	carb	-
275	" "	84	1947	223°	-49°	99'	384'	carb	-
276	" "	85	1947	-	-50°	119'	313'	-	-
277	" "	88	1947	226°	-60°	80'	803'	q	-
278	" "	89	1947	210°	-45°	91'	1000'	q,carb,py	-
279	" "	91	1947	210°	-45°	132'	988'	carb	-

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280	Kelwren Gold Mines Ltd.	92	1947	210°	-45°	45'	1001'	carb,qcv,py	-
281	" "	93	1947	210°	-45°	106'	1004'	qcv,q	-
282	" "	94	1947	210°	-45°	5'	1000'	py,cp	-
283	" "	96	1947	210°	-45°	117'	1741'	py,q	-
284	" "	97	1947	210°	-45°	141'	781'	-	-
285	Martin Bird Gold Mines Ltd. "Ladouceur"	1	3/46	216°	-44°	18'	875'	qcv,py,q	-
286	" "	L2	3/46	227°	-44°	7'	938'	py,po,qcv	-
287	" "	L3	1946	226°	-43°	10'	553'	cp,py,carb	-
288	" "	L4	1946	223°	-46°	25'	1004'	qcv,carb,hem	-
289	" "	L5	1946	45°	-45°	75'	850'	serp,py carb,qcv	-
290	" "	L6	1946	225°	-39°	75'	774'	carb,py hem,qcv	-
291	" "	L7	1946	179°	-43°	12'	1000'	qcv,py,cp	-
292	" "	L8	1946	195°	-42°	25'	615'	py,carb	-
293	" "	L9	9/46	173°	-45°	26'	1054'	carb,qcv,py	-
294	" "	L10	10/46	7°	-45°	33'	1100'	py,carb,cp	-

? - Location unknown
** - No drill logs
* - Length of overburden down drill hole
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xx - No date
†† - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
295	Martin Bird Gold Mines Ltd. "Lacouceur"	L11	10/46	180°	-45°	25'	825'	py,carb,gf mag,qcv	-
296	Matachewan Consolidated Mines Ltd.	84-1	10/84	122°	-50°	7'	386'	py,qcv,q	Au
297	" "	84-2	10/84	122°	-50°	12'	386'	cp,py,qcv mag,po,gf	Au
298	" "	84-3	10/84	122°	-50°	5'	436'	py,qcv,cp,po	Au
299	Nevada Exploration Ltd.	74-18	1974	93°	-60°	70'	178'	py,carb	Au
300	" "	74-21	1974	93°	-60°	73'	208'	carb,q,py	Au
301	" "	74-22	1974	93°	-60°	34'	271'	q,py,carb	Au
302	" "	74-23	1974	93°	-60°	87'	91'	-	-
303	" "	74-24	1974	93°	-60°	46'	205'	-	Au
304	" "	74-25	1974	93°	-60°	44'	201'	q	Au
305	" "	74-26	1974	93°	-60°	61'	215'	-	Au
306	" "	74-27	1974	93°	-60°	87'	87'	abandoned	-
307	" "	74-28	1974	93°	-60°	69'	208'	q	Au
308	" "	74-29	1974	93°	-60°	69'	167'	py	Au

? - Location unknown

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
309	Nevada Exploration Ltd.	74-30	1974	93°	-60°	61'	172'	-	Au
310	New Kelore Mines Ltd.	98	1949	210°	-45°	83'	265'	qcv,py,q	Au
311	" "	99	1949	210°	-45°	105'	266'	qcv,py,q	Au
312	" "	100	1949	210°	-45°	93'	484'	qcv,py carb,q	Au
313	" "	101	1949	210°	-45°	98'	502'	qcv,py,q	Au
314	" "	102	1949	210°	-45°	125'	328'	qcv,py,q	Au
315	" "	103	1949	210°	-45°	94'	500'	q,carb,py qcv	Au
316	" "	104A	1/50	210°	-45°	83'	504'	q,carb,py	-
317	Pamour Porcupine Mines Ltd.	Nor-1 †	12/80	180°	-55°	104'	402'	py,hem	Au
318	Pamour Porcupine Mines Ltd. "Vimy Group"	1	8/84	-	-50°	74'	160'	py,q,hem carb,gn	-
319	" "	2	8/84	-	-50°	50'	200'	qcv,py,hem carb,mag,gn	-
320	" "	1**	1983	-	-90°	48'	48'	-	-
321	" "	2**	1983	-	-90°	50'	50'	-	-
322	" "	3**	1983	-	-90°	40'	40'	-	-

? - Location unknown

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xx - No data

tt - From till heavy mineral concentrates

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
323	Pamour Porcupine Mines Ltd. "Vimy Group"	4**	1983	-	-90°	24'	24'	-	-
324	" "	5**	1983	-	-90°	28'	28'	-	-
325	" "	6**	1983	-	-90°	44'	44'	-	-
326	" "	7**	1983	-	-90°	44'	44'	-	-
327	" "	8**	1983	-	-90°	56'	56'	-	-
328	" "	9**	1983	-	-90°	44'	44'	-	-
329	" "	10**	1983	-	-90°	40'	40'	-	-
330	" "	11**	1983	-	-90°	32'	32'	-	-
331	" "	12**	1983	-	-90°	26'	26'	-	-
332	" "	13**	1983	-	-90°	24'	24'	-	-
333	" "	14**	1983	-	-90°	30'	30'	-	-
334	Pancontinental Mining (Canada) Limited	P-1	10/80	45°	-45°	54'	275'	py,q,carb	Au
335	" "	P-2	10/80	45°	-60°	41'	319'	gf,q,py carb	Au
336	" "	P-3	10/80	45°	-75°	41'	370'	carb,q,py	Au

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
337	Pancontinental Mining (Canada) Limited	P-4	10/80	-	-45°	43'	278'	q,py,carb	Au
338	" "	P-5	10/80	45°	-65°	31'	351'	py,carb,q	Au
339	" "	P-6	10/80	45°	-65°	43'	247'	py,q,carb	Au
340	" "	P-7	10/80	45°	-65°	54'	417'	py,q,gf carb	Au
341	" "	P-8	10/80	45°	-62°	54'	296'	carb,q,py	Au
342	" "	P-9	10/80	-	-90°	38'	595'	q,py,cp carb	Au
343	" "	P-10	11/80	-	-90°	49'	454'	q,py	Au
344	" "	P-11	11/80	-	-90°	49'	500'	carb,py,q	Au
345	" "	P-12	11/80	-	-65°	81'	81'	abandoned	-
346	" "	P-13	11/80	-	-55°	102'	606'	py,q,cp	Au
347	" "	P-14	11/80	45°	-80°	62'	836'	py,q,qcv serp	Au
348	Pion, A.	1028?	1939	309°	-50°	72'	678'	py	Au
349	" "	1029?	1939	309°	-50°	89'	328'	-	Au
350	" "	1030?	1939	127°	-50°	105'	427'	-	Au

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
351	Solmes, W.P.	S-1	12/55	45°	-45°	100'	648'	q,py,carb	-
352	Vimy Gold Mines Ltd.	V-5	8/61	135°	-60°	27'	291'	py,hem,carb	Au
353	" "	1	5/46	326°	-45°	20'	225'	qcv,py,q	Au
354	" "	2	5/46	146°	-45°	18'	375'	py	Au
355	" "	3	6/46	-	-45°	96'	96'	abandoned	-
356	" "	4	6/46	146°	-45°	38'	528'	py,gn,cp carb	Au
357	" "	5	6/46	111°	-45°	20'	600'	py,gn,cp carb	Au
358	" "	6	7/46	111°	-60°	5'	262'	py,cp,qcv	Au
359	" "	7	7/46	110°	-60°	6'	224'	qcv,py	Au
360	" "	EC-1	4/38	SE	-50°	4'	54'	py,calc,po	Au
361	" "	EC-2	4/38	SE	-50°	6'	57'	py,carb calc	Au
362	" "	EC-3	4/38	SE	-40°	4'	66'	py,calc,po	Au
363	" "	EC-4	4/38	SE	-50°	11'	52'	py,calc	Au
364	" "	EC-5	4/38	SE	-50°	11'	79'	calc,py	Au
365	" "	EC-6	4/38	SE	-	4'	66'	py,calc	Au

? - Location unknown

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
366	Vimy Gold Mines Ltd.	8	7/46	110'	-60°	8'	256'	py,carb	Au
367	" "	EC-7	4/38	-	-	3'	64'	q,py	Au
368	" "	EC-8	4/38	SE	-	6'	60'	calc,py,q hem,cp	Au
369	" "	EC-9	4/38	SE	-50°	6'	52'	carb,py calc,q	Au
370	" "	EC-10	4/38	SE	-50°	17'	61'	calc,py	Au
371	" "	EC-11	4/38	SE	-50°	11'	82'	py	Au
372	" "	1	1945	-	-	72'	200'	py,qcv,carb	Au
373	" "	2	1945	-	-	11'	175'	py,carb,qcv	Au
374	" "	3	1945	-	-	46'	120'	py,carb	Au
375	" "	4	1945	-	-	48'	110'	py,qcv,cp	Au
376	" "	5	1945	-	-	79'	100'	carb,py	Au
377	" "	6	1945	-	-	91'	100'	carb,py	Au
378	" "	7	1945	-	-60°	90'	100'	carb,py	Au
379	" "	8	1945	-	-	91'	100'	carb,py	Au
380	Western Surf Inlet Mines Ltd.	62-1	5/62	273°	-60°	7'	274'	carb,calc py,qcv	-

? - Location unknown

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* - Length of overburden from drill hole

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
381	Western Surf Inlet Mines Ltd.	62-2	5/62	225°	-45°	9'	741'	calc,carb py,po	-
382	" "	62-3	5/62	215°	-50°	37'	270'	calc,po,py	-
383	Young-Davidson Mines	YH75-1†	9/75	139°	-45°	57'	367'	carb,py,calc	-

? - Location unknown

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AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
10	Aerodat Limited Canamax Resources Inc.	Magnetic (Geometrics G-803) Electromagnetic (Geonics 3-frequency system)	98' (30m)	N-S	328' (100m)
30	Ingamar Explorations Co. Ltd. Ignamar Explorations Co. Ltd.	Gamma-Ray Spectrometer (Exploranium Spectrometer GR-410, GPX-21 sensor)	200' (61m)	N	1/8mi. (201m)

HISLOP TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
8	Biogeochemical (Stems, Alder Trees)	Cu,Mo	Canadian Johns-Manville Co. Ltd.	Resident Geologist Assessment Files Kirkland Lake
43	Basal Till Sampling (atomic absorbtion)	Au	Pamour Porcupine "Vimy Group"	Resident Geologist Assessment Files Kirkland Lake, Ont.
44	Basal Till Survey	Cu, Pb, Zn	Pancontinental Mining (Canada) Ltd.	Resident Geologist Assessment Files Kirkland Lake, Ont.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

Aerial Photographs

Black and White scale 1:1/4 mile
scale 1:1 mile

Landsat Data scale 1:500,000

Band 3 , 9/5/83
Band 4 , 31/2/83
Bands 1+2+4 , 2/10/83
Bands 1+2+4 , 9/5/83

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Amity Copper Mines			
	The Northern Miner	Oct 18, 1951	
Armco			
	The Northern Miner	Feb 09, 1984	
Asbestos Corp.			
	The Northern Miner	Mar 29, 1951	
Barymin			
	The Northern Miner	Feb 28, 1974	Apr 15, 1976
		Aug 08, 1980	
Can Arrow Halliday			
	The Northern Miner	Apr 13, 1974	Apr 11, 1974
Canadian Arrow			
	The Northern Miner	no date	May 10, 1973
		Apr 10, 1975	Mar 25, 1976
		Jul 25, 1979	Sep 06, 1979
		Oct 18, 1979	Jan 24, 1980
		Feb 14, 1980	Feb 28, 1980
		Jun 03, 1980	Sep 1980
		Sep 08, 1981	Apr 28, 1983
Chevron			
	The Northern Miner	Aug 18, 1986	
Consol Imperial Mine			
	The Northern Miner	Aug 24, 1972	
Geddes Resources			
	George Cross Newsletter	Jan 25, 1984	
Golden Arrow			
	The Northern Miner	May 29, 1952	Mar 26, 1953
		Feb 12, 1959	Jul 11, 1974
Goldpost			
	The Northern Miner	Aug 18, 1986	
Hollinger			
	The Northern Miner	May 17, 1973	Mar 14, 1974
		Apr 16, 1974	Jun 03, 1976
Kelore Mines			
	The Northern Miner	Jan 05, 1984	
Kelrowe			
	The Northern Miner	Apr 13, 1939	Jun 15, 1939
		Jun 22, 1939	Aug 10, 1939
		Aug 24, 1939	Aug 31, 1939
		Oct 12, 1939	

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Matachewan Consolidated			
	The Northern Miner	May 29, 1975	Oct 18, 1979
		May 30, 1985	
New Kelore			
	The Northern Daily News	Oct 24, 1974	Apr 03, 1974
	The Northern Miner	no date	Dec 30, 1971
		Mar 01, 1973	Apr 12, 1973
		May 10, 1973	Jan 17, 1974
		Mar 07, 1974	Apr 11, 1974
		May 02, 1974	Jun 02, 1974
		Aug 15, 1974	Oct 26, 1974
		Jan 01, 1976	Apr 22, 1976
		Dec 09, 1976	Jan 05, 1978
		Feb 09, 1978	Oct 18, 1979
		Aug 25, 1980	Jan 1981
Pamour			
	The Northern Miner	Jul 29, 1976	Aug 12, 1976
		Aug 04, 1977	Oct 27, 1977
		Jan 26, 1978	Mar 27, 1980
		Apr 24, 1980	
QC Explorations			
	The Northern Miner	Jun 05, 1975	Jun 05, 1975
Ross Mine			
	The Northern Daily News	Mar 28, 1985	
	The Northern Miner	Oct 20, 1977	Mar 06, 1980
Stroud			
	The Northern Miner	Sep 06, 1984	

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
7	Ross Gold Mine, Hislop tp.			
	Operations (1960)	70		32
	(1961)	71		35,36
	(1962)	72		33,34
	(1963)	73		35
	Production (1960)	70		14
	(1961)	71		14
	(1962)	72		14
	(1963)	73		14
8	Hislop Tp., Cochrane Dist.			
	gold	AR074		31,32
		AR075		30
		AR076		34
		AR077		34
		AR078		16-18
		AR079		16-18
		AR080		18-19
		MP025		24
		MRC013		73-77
	Gravity Survey of the Timmins-Matheson Cobalt areas	GR127		
	Golden Arrow Prospect			
	Hislop Tp., Cochrane Dist.	MRC013		73-74
		MP059		103
	Ross Mine			
	Hislop Tp., Cochrane Dist.	AR074		31-32
		AR075		30
		AR076		34
		AR077		34
		AR078		17
		AR079		17
		AR080		18-19
		MP025		24
		MP035		5
		MP046		36
		MP059		100,103
		MP060		125
		MRC013		76

ODM GENERAL INDEX SEARCH

Words searched: Golden Arrow Mining Co. Ltd.; Hisbert Mines Ltd.; Hiskerr Gold Mines Ltd.; Hislop Gold M. Ltd.; Hislop Mg. Synd.; Hislop Township; Quinn g.m.; Ross g.m.

Index Volume	Listing:	Report Volume	Part	Page
2	Hislop Tp., Tim.			
	Feldspar	28	2	36
	Forest Fires	28	2	6
	Gold	28	2	63
	see also Hislop Mg. Synd. Quinn g.m.			
	Keewatin rocks	28	2	5
	Hislop Mining Syndicate			
	Directorate; claims	33	7	28
	Quinn Gold Claim, Hislop tp.			
	Minerals; vein described; rocks	28	2	22,54,56
	Sulphides	30	2	28
3	Hislop Gold Mines Ltd.			
	Capital; officers; operations	47	1	132
	Incorporated	37	1	57
	Property, report on	45	6	27,29
	Hislop Tp., Coch.			
	Glacial deposits	45	6	2
	Gold deposits	45	6	15
	mg. properties	45	6	17-33
	see also Golden Arrow Mg.			
	Golden Arrow Mining Co. Ltd.			
	Capital; officers; operations	46	1	138
	Incorporated	44	1	45
	Property, Hislop tp., report on	45	6	32,33
4	Hislop Tp., Coch.			
	Gold mg. (1940)	50	1	59
	(1946)	56	2	32
	(1947)	57	2	31,43
	(1948)	58	2	35
	see also Ross g.m.			
	Ross Gold Mine, Hislop tp.			
	Accident rate see Mining accidents (1940-1946)			
	Mill capacity	59	1	24
	Operations see Hollinger Consol. Gold Mines			
	Production see Porcupine g. belt mines			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
5	Hislop Tp., Coch			
	Copper claims	63	2	2
	Gold mg. see Ross g.m.			
	Rocks	60	9	15,22,33
	Ross g.m.			
	Fires at (1950)	60	1	62,63
	(1954)	64	1	77
	Mill Capacity (1954)	64	1	37
	Production (1950)	60	1	12
	(1951)	61	1	12
	(1952)	62	1	10
	(1953)	63	1	10
	(1954)	64	1	10
	Statistics (to 1954)	64	1	13
6	Hisbert Mines Ltd.			
	Property, Hislop tp.	65	5	39
	Hiskerr Gold Mines Ltd.			
	Drilling by, Hislop tp.	65	5	38
	Hislop tp., Coch.			
	Geology, report on by V.K. Prest with map	65	5	
	Gold mining see Ross g.m.			
	Ross Gold Mine, Hislop tp.			
	Aerial photo.....frontis	65	5	
	Historical notes	65	5	39
	Mill Capacity	67	1	11
	Plan of level.....with	65	5	
	Production (1955) facing	65	1	10
	(1956) facing	66	1	10
	(1957) facing	67	1	10
	(1958)	68	1	12
	(1959)	69	1	12
	Rocks, notes and photos	65	5	33,40-43
	Silver minerals	65	5	34
	Golden Arrow Gold Mine, Hislop tp.			
	Plan.....with	65	5	
	Report on	65	5	35-37

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayers, L.D. Lumbers, S.B. Milne, V.G. Robeson, D.W.	1970	Ontario Geological Map	ODMNA Map 2196	1:1 013 760
Ayers, L.D. Lumbers, S.B. Milne, V.G. Robeson, D.W.	1971	Ontario Geological Map, East Central Sheet	ODMNA Map 2198	1:1 013 760
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology, Ontario	ODL & F Map S365	1:506 880
Boissoneau, A.N.	1965	Algoma, Sudbury, Timiskaming and Nipissing Surficial Geology	ODL & F Map S465	1:506 880
Card, K.D. Sanford, B.V.	1983	Geology of the Timmins Map Sheet (NM-17)	GSC OF 956	1:1 000 000
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 3: East-Central Ontario, All Isotopic Systems	OGS Map P.2842	1:1 013 760
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series	ODM Map 2046	1:253 440
Gordon, J.B.	1977	Gold Deposits of Ontario, East Central Sheet	OGS Map P.1228	1:1 013 760
Gordon, J.B.	1980	Vein Silver Deposits of Ontario, East Central Sheet	OGS Map P.2300	1:1 013 760
Guillet, G.R.	1977	Clay and Shale Deposits of Ontario	OGS Map 2358 (MDC 15)	1:200 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Jost, M.	1977	Nickel Deposits of Ontario, East Central Sheet	OGS Map P.1062	1:1 013 760
Lumbers, S.B. Milne, V.G.	1979	Ontario Geological Map, Explanatory Text, Legend and Diagrams of Major Lithologies, Structures and Zones of Metamorphism	OGS Map 2391	1:1 013 760
Lumbers, S.B. Milne, V.G.	1979	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1 013 760
McCrank, G.F. Brown, P.A. Misiura, J.D.	1980	Plutonic Rocks in Ontario, with map	GSC OFR 706	
MERQ-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500 000
Meyn, H.D. Howarth, J.R.	1977	Molybdenum Deposits of Ontario, East Central Sheet	OGS Map P.1246	1:1 013 760
Meyn, H.D. Robertson, J.A.	1975	Iron Deposits of Ontario, East Central Sheet, Districts of Thunder Bay, Algoma, Cochrane, Sudbury, Timiskaming and Nipissing	ODM Map P.1043	1:1 013 760
Ministry of Natural Resources	1985	Ontario Mineral Map	ODM Map 2472	1:1 584 000
Minnes, D.G. Masham, J.S. Scott, D.W. Vos, M.A. & Yundt, S.E.	1983	Industrial Minerals of Ontario	OGS Map P.2591	1:1 500 000
ODM	1969	Mining Divisions and Resident Geologists Districts	ODM Map 2189	1:1 584 000
ODM	1974	Ontario Mineral Map	ODM Map 2310	1:1 584 000

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
ODM	1977	Ontario Geology and Principal Minerals	ODM Map 2389 (Rev.)	1:4 224 000
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Author	Date	Title	Reference	Map Series and/or Report Pages
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Goodwin, A.M.	1980	Geology of Timmins-Kirkland Lake, Ontario-Quebec	OGS Map 1461A acc. Bull. 278	
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Author	Date	Title	Reference	Map Books and/or Report Pages
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Ploeger, F.R.	1981	Geology and Ore control at the Ross Mine, Ontario	Ont. MNR;OGS Res. Geol. Office see: Ross Mine	
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Author	Date	Title	Reference	Map Scales and/or Report Pages
Tasillo-Hart, A.M. Geissman, J.W. Strangway, D.W. Jensen, L.S.	1982	Paleomagnetism of Lake Archean metavolcanics and metasediments, Abitibi orogen, Canada: volcanics of the Blake River Group and sediments and volcanics of the Timiskaming area.	Can. J. of Earth Sciences v.19	p.2100-2113
Vkande, S.O.	1977	A comparison and genesis of three vein systems of the Ross Mine, Hislop township, Ont.	M.Sc. thesis UWO Res. Geol. Office see: Ross	

NOTES AND ADDENDA

GOIF FORM NO. 10

GSC Index to Publication

Words searched:

Golden Arrow Mines Ltd.
Hislop Gold M. Ltd.
Hislop Township
Ross Mine

Index Volume	Listing:	Report Volume	Part	Page
1910 to 1926	Hislop tp., Cochrane dist. Clay see Vimy Ridge			
	Vimy Ridge, Hislop twp. Ont. Clay near, sections	M146		115
1927 to 1950	Hislop Gold Mines Ltd., Ont.	M192		31
	Hislop Tp., Ont. gold dep.	M192		28,29 31-33
		EG15		60,62
	Hislop, Beatty, Munro Area Ont. Rept. on gold dep. by E.D. Kindle	M192		27-33
	Ross Mine, Hislop tp., Ont.	EG15		57,61 62
	Golden Arrow M. Ltd.	M192		31
1951 to 1959	Ross Mine, Ramore Area	EG1	4	59

BEATTY

BOWMAN

GUIBORD

Froome L.

Lawlor L.

Creek

Salve

Block

Pike

River

Vimy Ridge

ONTARIO PIPELINE (GAS)

NORTHLAND

Berndt L.

Holtyre

48°31'30"

80°17'00"

101

572

26

38

47

31

34

44

35

39

32

30

46

49

43

33

48,45

X53

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 40

(Map 1 of 3)

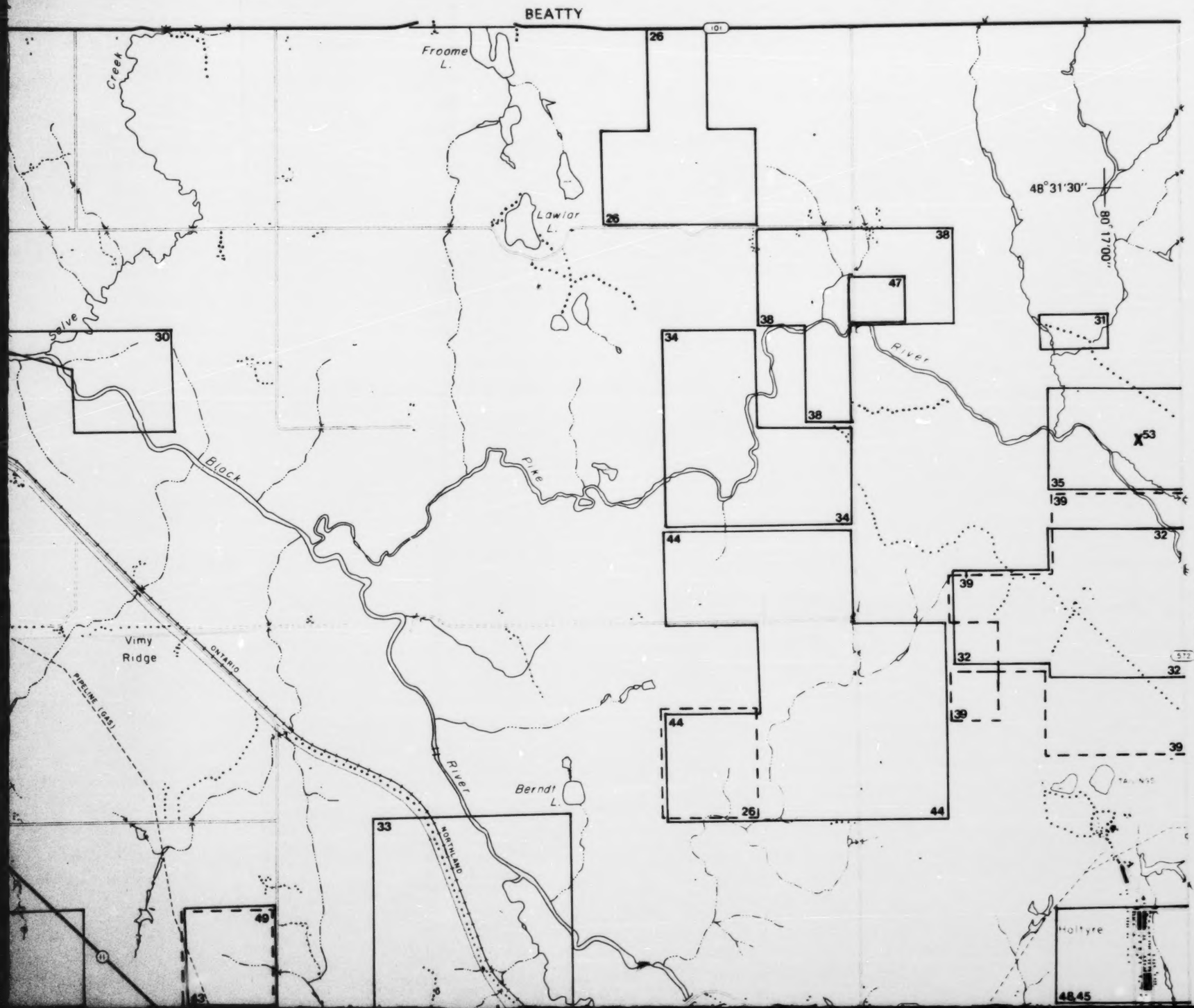
HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 404

(Map 1 of 3)

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 4

(Map 1 of 3)

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometr

Mile 0.5 0 0.5

BOWMAN

GUIBORD

PLAYFAIR

80°17'00"

80°25'00"

48°27'30"

Lawlor L.

Salve

Block

Pike

River

Vimy Ridge

ONTARIO

PIPELINE (GAS)

Berndt L.

NORTHLAND

ABANDONED

572

26 38 47 38 31 34 38 34 X53 35 39 44 32 39 32 572 32 39 39 44 26 44 33 46 49 43 43 49 36 52 40 28 28 48,45

EXPLORATION DATA FILE AREAS

Reference number is always inside work area
See listing in text pages.

Small area exploration.

covers whole township or area

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 404

(Map 1 of 3)

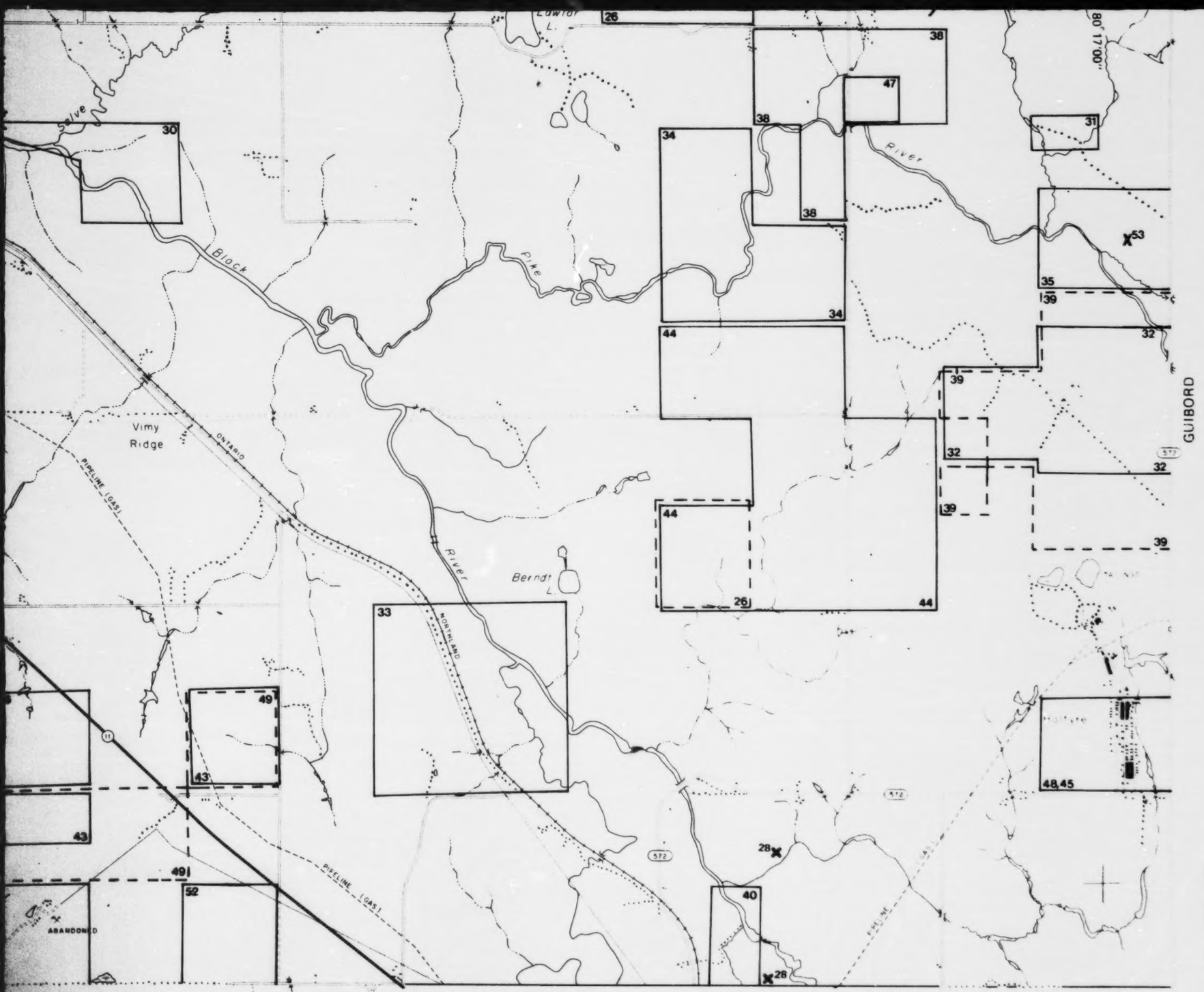
HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

File covers whole township or area

BEATTY

BOWMAN

GUIBORD

Froome L.

Lawlor L.

Berndt L.

Creek

Save

Block

Pike

River

Vimy Ridge

ONTARIO PIPELINE (GAS)

NORTHLAND

TAILINGS

Holtyre

48°31'30"

80°17'00"

101

572

X21

X23

X23

X23

12X

12X

12X

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO

(Map 2 of 3)

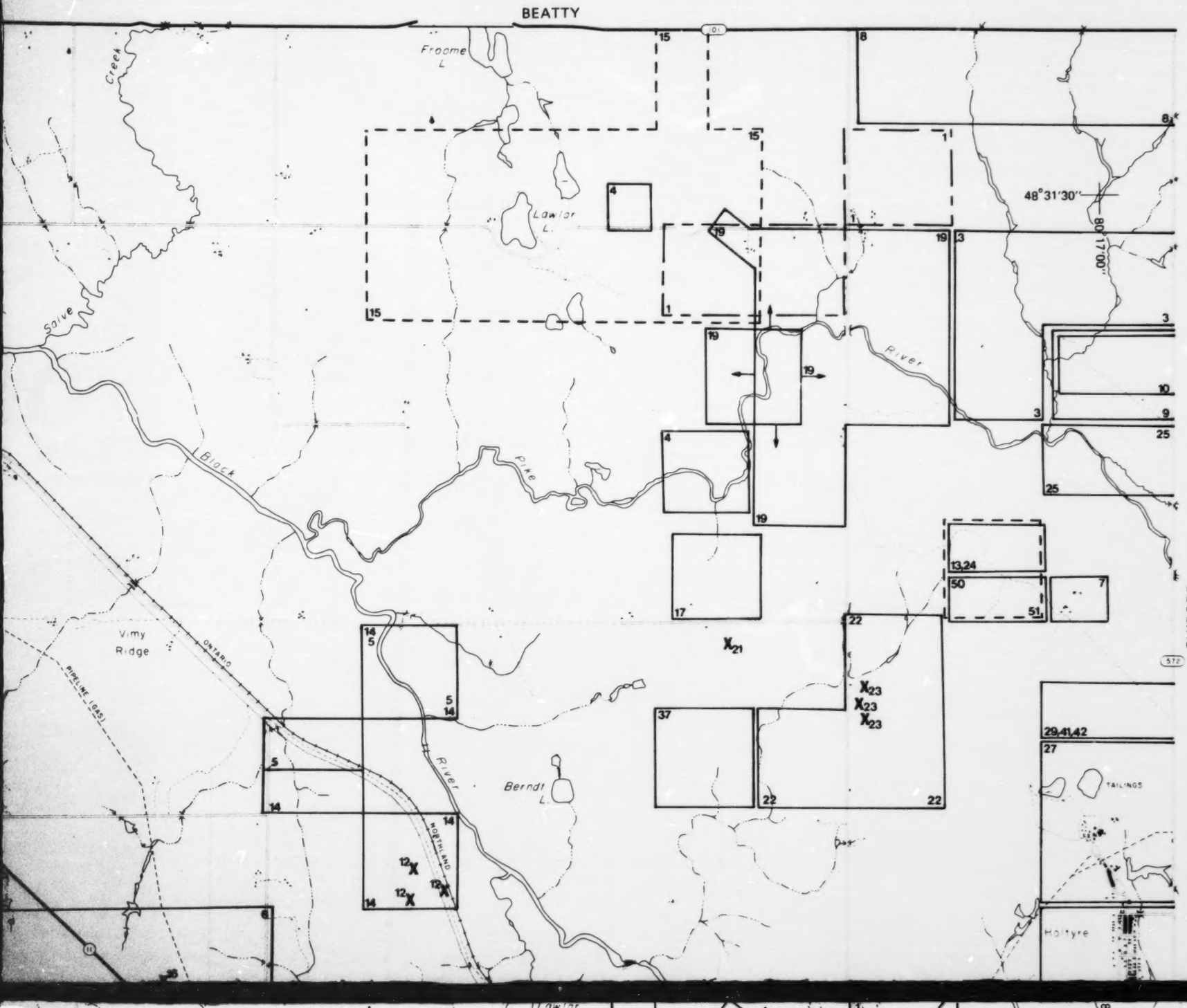
HISLOP TOWNSHI

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilo

Mile 0.5 0 0.5



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 404

(Map 2 of 3)

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FO

(Map 2 of 3)

HISLOP TOWNSI

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

BOWMAN

GUIBORD

PLAYFAIR

Lawlor L.

Salve

Black

Pike

River

Vimy Ridge

ONTARIO

PIPELINE (GAS)

Bernat L.

NICHTAWAN

TAILINGS

McTyre

ABANDONED

80°17'00"

80°25'00"

48°27'30"

572

EXPLORATION DATA FILE A

Reference number is always inside wo
See listing in text pages.

Small area exploration.

File covers whole township or area

GEOLOGICAL DATA INVENTORY FOLIO 4047

(Map 2 of 3)

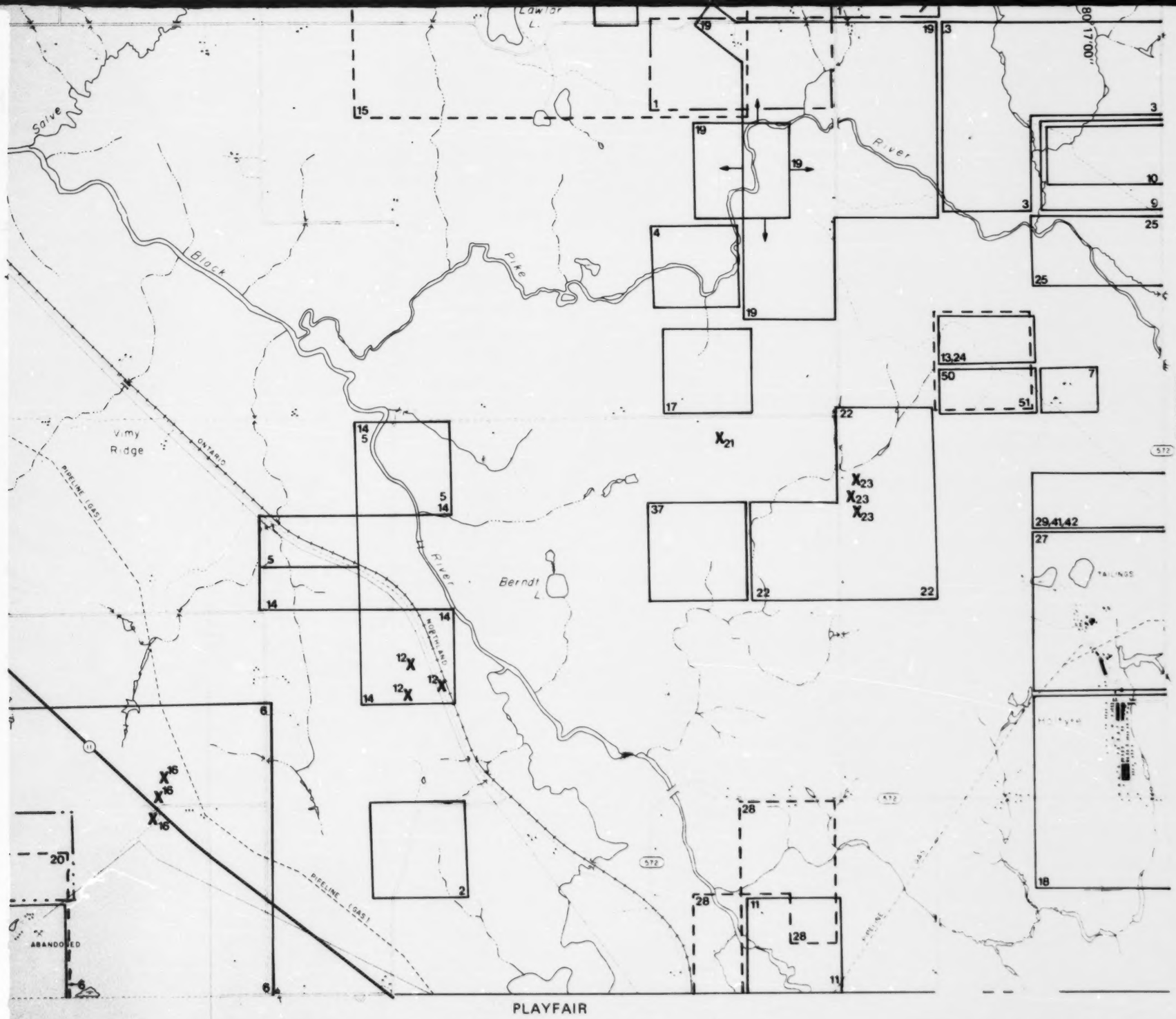
HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile



EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area exploration.
- File covers whole township or area

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

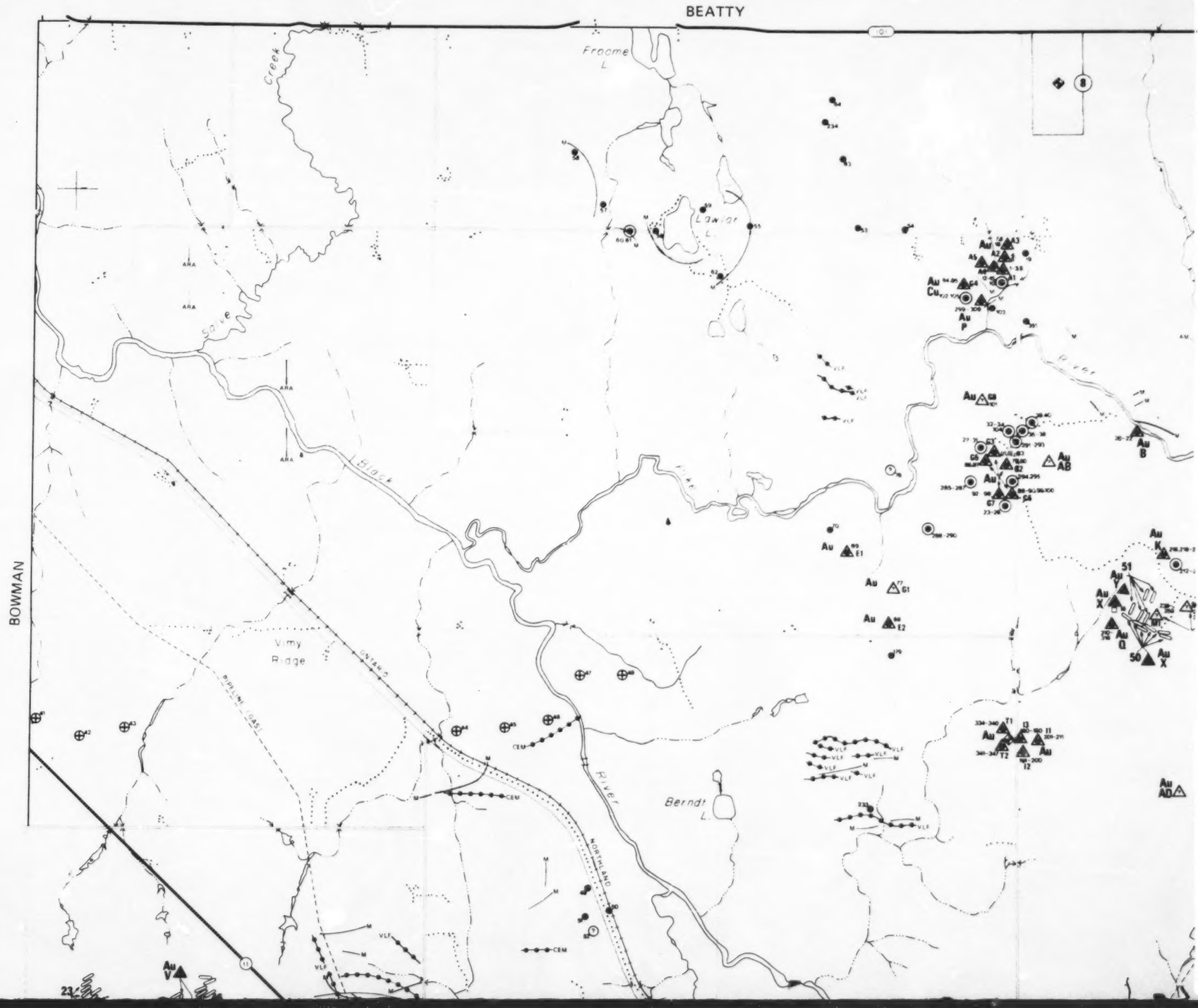
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

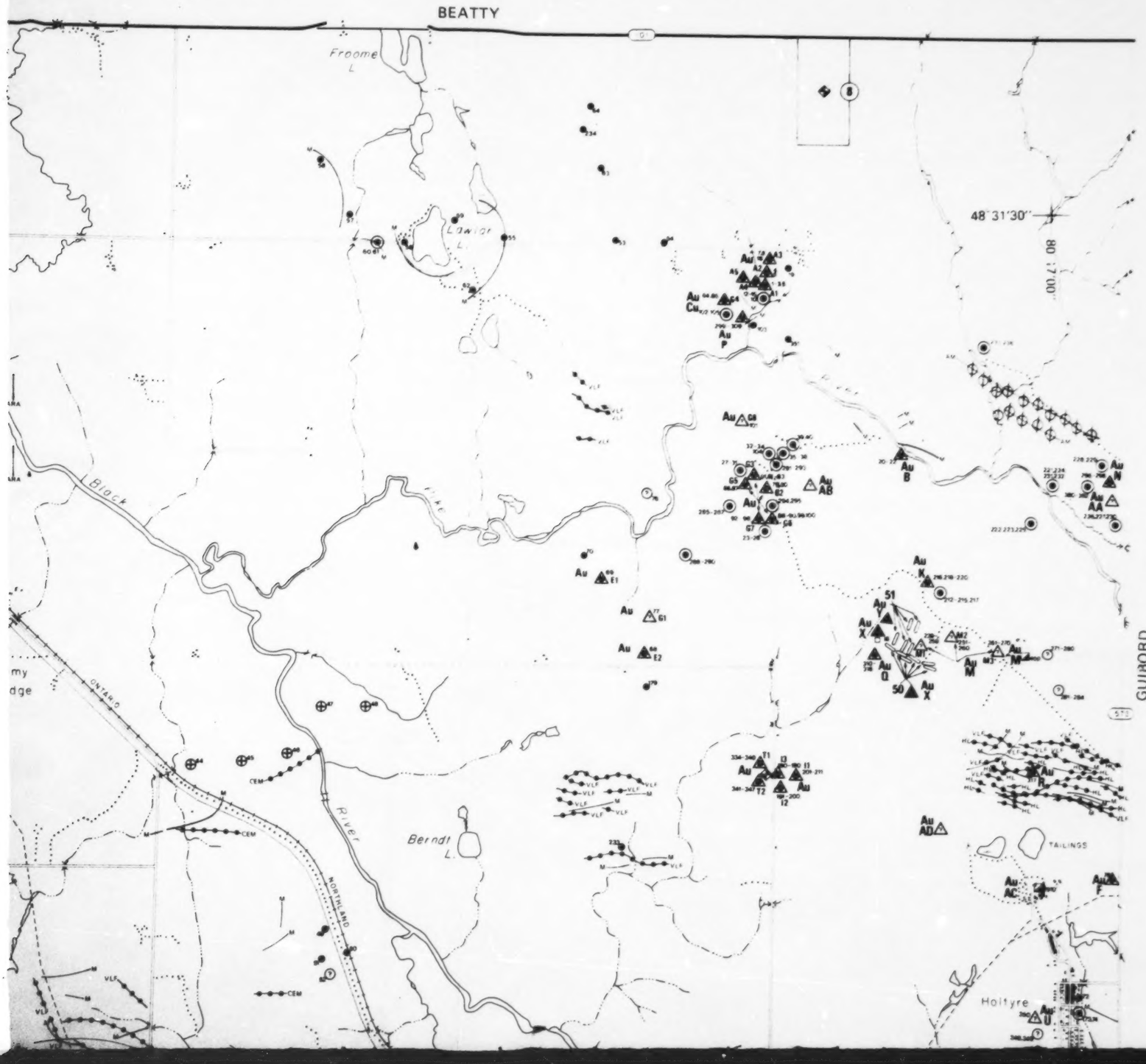
GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; CEM-
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry





Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 404

(Map 3 of 3)

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number
- cp A — Mineral occurence in drillhole, with reference letter and drillhole number, exact location uncertain

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference

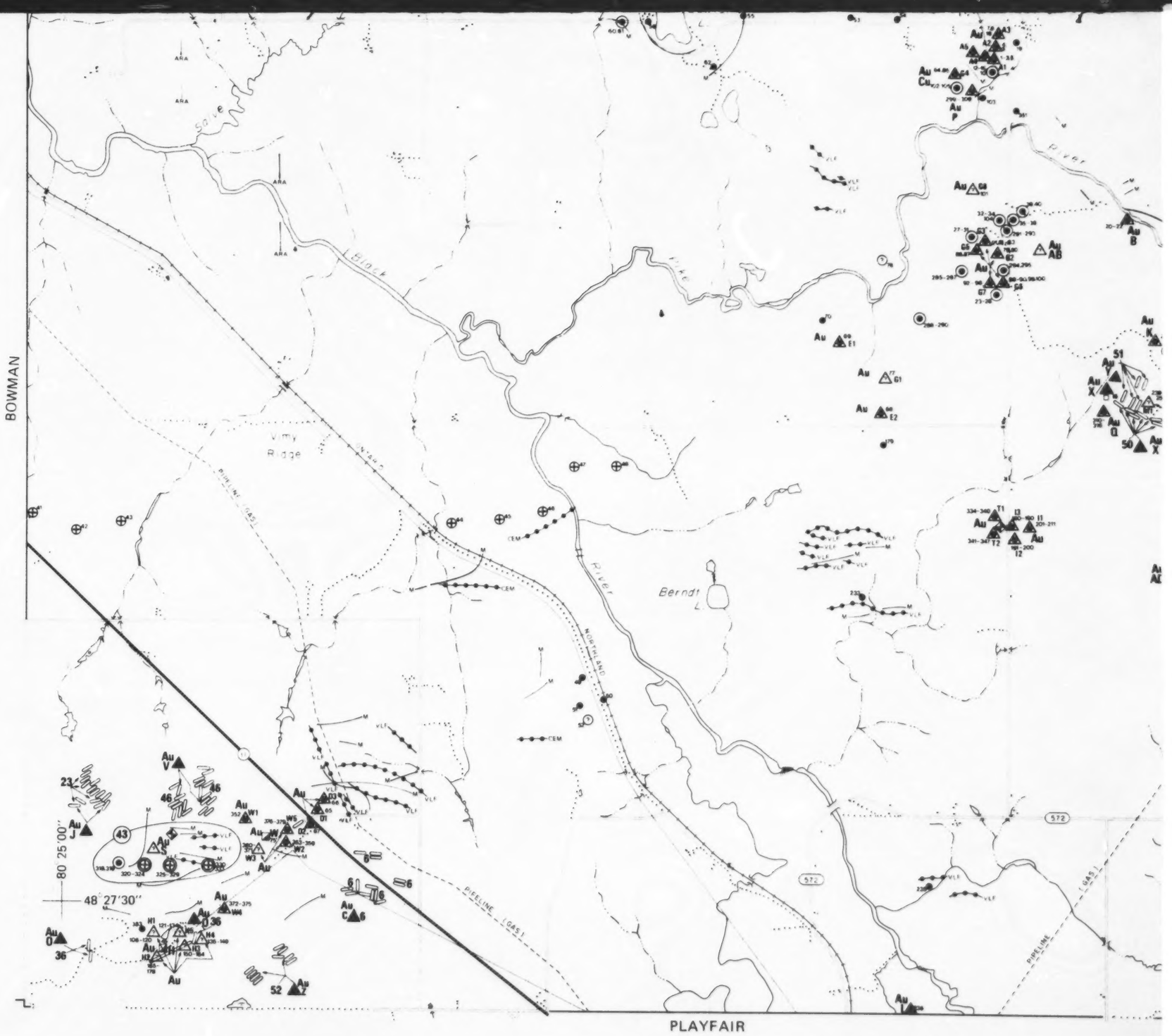
GEOPHYSICAL ANOMALIES

- ☐ -AM- Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ■ -ARA- Airborne radiometric anomaly
- ■ -M- Ground magnetic anomaly
- ■ -VL- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; CEM-
  Crone Em - 16)
- ☐ -RA- Ground radiometric anomaly
- ☐ -IP- Induced polarization anomaly
- ☐ -SP- Self potential anomaly
- ☐ -AFMAG- Audio-frequency magnetic anomaly
  (total intensity)
- ☐ -R- Resistivity anomaly
- ☐ -GR- Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit
- ■ Trenching with reference number

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



GEOLOGICAL DATA INVENTORY FOLIO 404

(Map 3 of 3)

HISLOP TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

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- cp A. — Mineral occurrence at surface, with reference letter
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- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number
- cp A — Mineral occurence in drillhole, with reference letter and drillhole number, exact location uncertain

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number
- Location of closely spaced reverse circulation drillholes, with reference number

PLAYFAIR